

आरत का राज्यपत्र

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No. 48] NEW DELHI, SATURDAY, NOVEMBER 29, 1997 (AGRAHAYANA 8, 1919)

हस भाग से भिन्न पात्र भाग की वितरण के लिए इस भाग का भाग के लिए इसके
[Separate paging is given to this part in order that it may be filed as a separate compilation]

PART III- SECTION 2

[Notification and Notices Issued by the Patent Office relating so Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 29th November 1997

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Telegraphic address "PATENTOFIC"

Patent Office Branch,
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Pondicherry and the Union
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and Aminidiv Islands.

Telegraphic address "PATENTOFIC"

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Building. 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"-

All applications, notices/statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

FEES :—The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 29 नवम्बर 1997

पेटेंट कार्यालय के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, विल्ली एवं चैनाई में इसके शास्त्र कार्यालय हैं, जिनके प्रावौद्धिक क्षेत्राधिकार जैन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्र, टॉडी हस्टेट,
सीसरा तल, लोअर परदेस (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दावर और नगर हुबली।

तार पता—“पेटेंटिफिस”

पेटेंट कार्यालय शास्त्र,
पालक में 401 से 405, सीसरा तल,
नगरपालिका आधार भवन,
मरस्यती मार्ग, करोल बाग,
मुम्बई-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता—“पेटेंटिफिस”

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under section 135, Patent Art, 1970.

01-10-1997

1841/Cal/97. Elopak System AG, "Improvements in or relating to thermoformed structural layers and methods of producing and using the Name". (Convention No. 9620651.1 on 2-10-96 in United Kingdom).

1842/Cal/97. Technological Resources Pty. Ltd., "A method and an apparatus for producing metals and metal alloys". (Convention No. P02764 on 7-10-96 in Australia).

1843/Cal/97. Asia Automation Industrielle SA. "Apparatus for the manufacture of dual-or multiple-chamber tubes. (Convention No. 19640833.4 on 2-10-96 in Germany).

1844/Cal/97. Cytec Technology Corp. "Aqueous dispersions" (Convention No. 08/720,851; 08/725,325; 08

पेटेंट कार्यालय शास्त्र,

चिंग सी (सी-4, ए)

तीसरा तल, राजार्जी भवन बम्बन नगर

मुम्बई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, हैमलनाडु
तथा पाण्डुचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्ष्मीपुर, ग्रीनकाश
तथा एर्मानियिन्द्रिय द्वीप।

भारत पता—“पेटेंटिफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)

निजाम पैलेस, विक्रमीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का क्षेत्र क्षेत्र।

तार पता—“पेटेंटिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपेक्षित सभी आवेदन-वन्न सूचनाएं, विवरण या क्षम्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क : शुल्कों की जावायगी या तो मकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भूगतान योग्य धनादेश अथवा
डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस रथान
के अनुसूचित बैंक से नियंत्रक को भूगतान योग्य बैंक ड्रॉफ्ट अथवा
बैंक दबारा की जा सकती है।

720,840; 08/725,521; 08/726,845; 08/724,988;
08/724,970; 08/725,586; 08/727,693; 08/723,656;
08/725,522; 08/725,865 on 3rd October, 1996
in U.S.A.),

1845/Cal/97. Cytec Technology Corp., "Cationic Water-soluble precipitation in salt solutions". (Convention No. 08/725,436; 08/720,830; 08/726,155;
08/726,156 on 3rd October, 1996 in U.S.A.)

1846/Cal/97. Cytec Technology Corp., "Anionic water-soluble polymer precipitation in salt solution". (Convention No. 08/726,157; 08/723,628; and
08/726,158 on 3rd October, 1996 in U.S.A.).

1847/Cal/97. Siemens Aktiengesellschaft, "Method and device for driving a capacitive actuator". (Convention No. 19644521.3 on 25-10-96 in Germany).

1848/Cal/97. Merck Patent Gesellschaft Mit Beschränkter Haftung, "Lithium fluorophosphates and their use as conducting salts". (Convention No. 19641138.6
on 5-10-96 in Germany).

1849/Cnl/97. F. I. Du Pont De Nemours, and Company, "Nonstick finish for molding articles". (Convention No. 60/028,536 on 15-10-96 in U.S.A.).

1850/Cal/97. Johnson & Johnson Consumer Products, Inc., "Cosmetic compositions". (Convention No. 60/027552 on 3-10-96 in U.S.A.).

1851/Cal/97. Compex GMBH, "MuluscREW, continuous mixing machine for plasticizable compounds", (Convention No. 19641235.8 on 7-10-96 in Germany).

1852/Cal/97. Hoechst Celanese Corporation, "Removal of acetaldehyde from a carbonylation process stream" (Convention No. 08/735,361 on 18-10-96 in U.S.).

03-10-1997

1853/Cal/97. Daewoo Electronics Co. Ltd., "Method for encoding a binary shape signal". (Convention No. 97-44087 on 30-8-1997 in South Korea).

1854/Cal/97. Mitsuba Corporation, "Assembling arrangement for engine starters". (Convention No. 08-297459 on 17-10-96 in Japan).

1855/Cal/97. Steag Microtech GMBH, "Method and device for treating substrates", (Convention No. P 19640848.2 on 3-10-96 in Germany).

1856 Cal/97. Profil-Verbundungstechnik GMBH & Co. K.G., "Fun Nut". (Convention No. 19710246.8 on 12-3-97 in Germany).

1857/Cal/97. The Waterfall Company, "Contamination-safe multiple-dose dispensing cartridge for flowable materials". (Convention No. (08/724,975 on, 3-10-97 in U.S.A.).

1858/Cal/97. "Eaton Corporation. "Elecuiie current switching apparatus with unitized removable contacts". (Convention No. 726,991 on 7-10-96 in U.S.A.),

1859/Cal 97. Eaton Corporation, "Electric current switching apparatus with tornadic ARC extinguishing mechanism". (Convention No. 728,108 on 9-10-96 in U.S.A.).

1860/Cal/97. Eaton Corporation, "Pulsed plate plasma implantation system". (Convention No. 08/728,000 on 10-10-96 in U.S.).

1861/Cal/97. Degussa Aktiengesellschaft, "Emptying device for bulk bags and use thereof". Convention No. 196 41 982.4 on 11-10-96 in DE).

1862/Cal/97. Degussa Aktiengesellschaft, "Cyanuric chloride mouldings and process for their production". (Convention No. 19642449.6 on 15-10-96 in DE).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this issue or within such farther period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in

the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वयारा यह सूचना वही जाती है कि सम्बद्ध आवेदनों में से किसी पर पट्टें अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके नियम को तिथि से आर (4) महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पट्टें नियम, 1972 के तहत विहित प्रपत्र 14 पर वार्षिक एक महीने की अवधि में अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व के उपर्युक्त कार्यालय में एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य उक्त सूचना के साथ अधिक पट्टें नियम, 1972 के नियम 36 में यथा विहित इसको तिथि के एक महीने के भीतर ही फाइल किए जाने आहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण स्थान अन्तर-राष्ट्रीय वर्गीकरण के अनुसूच्य हैं।"

स्पॉकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हैं, के साथ विनिर्देशों की अंकित अधिवा फोटो प्रतियां की आपूर्ति पट्टें कार्यालय, कलकत्ता अधिवा उपग्रहण शास्त्र कार्यालय बूद्धारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र अवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (अणीक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का पीकलन किया जा सकता है।

CORRIGENDUM

In the Gazette of India Part III, Section 2, dated 16th August, 1997 under the heading "COMPLETE SPECIFICATION ACCEPTED" Particulars shown against Patent No. 179042 to be deleted and in its place to be read as under :

ANNEXURE 'A'

Ind Cl. : 48-A₄

Int. Cl.' : H 01 D 13/00.

NEW ALUMINIUM CONDUCTORS FOR COASTAL APPLICATION, A METHOD FOR THE PREPARATION OF SAME AND AN APPARATUS THEREFOR.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, MATERIALS TECHNOLOGY & ENERGY DIVISION, POST BOX NO. 9401, BANGALORE-560 094, KARNATAKA, INDIA, A CENTRAL GOVERNMENT ENTERPRISE.

Inventors : (1) PAR. KRISHNAMOORTHY, INDIA.
(2) B. H. NARAYANA, INDIA.
(3) C. TAYARAMA NAIDU, INDIA.

Application and Provisional Specification No. 929/Mas/90
dated November 20, 1990.

Complete Specification left : September 4, 1991.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A method for the production of improved aluminium conductors for coastal applications comprising subjecting the conductor to be coated to degreasing of the surface thereof using suitable organic solvent, such as, trichlorethylene followed by etching the degreased surface in an organic acid, preferably in an organic acid mixture made of nitric acid and hydrofluoric acid and thereafter applying a layer of electroless zinc on said etched surface by immersing the surface of said etched conductor in a coaling bath having zinc ions in the form of zinc salts, thereafter, subjecting the coated surface to a cleansing operation to obtain the required electroless zinc coated aluminium conductor.

Agents : M/s. L. S. Davar & Co.

(Prov. : 13 pages; Compl. : 13 pages; Drgns,-; 1 Sheet)

Ind. Cl. : 14 A 3 179751

Int. Cl. : H 02 J 7/02.

A RECHARGEABLE ELECTROCHEMICAL CELL.

Applicant : BATTERY TECHNOLOGIES INC, OF 30 POLLARD STREET, RICHMOND HILL, ONTARIO L4B 1C3, CANADA.

Inventors : (1) KLAUS TOMANTSCHGER.
(2) CHRISTOPHER MICUALOWSKI

Application No. : 88/Cal/94 filed on 10th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) [Vent Office. Calcutta.

23 Claims

A rechargeable electrochemical cell comprising ;
a container having an inner peripheral surface and a bottom surface ;
a negative electrode disposed within said container;
an aqueous electrolyte disposed within said container ;
a positive electrode disposed within said container, said positive electrode having at least an outer peripheral surface a bottom surface and a top surface ;
a separator disposed within said container between said positive electrode and said negative electrode ;

a closure member disposed over the top of said container and sealing the components disposed therein within said container; and

terminal means contacting said negative electrode and said positive electrode to provide respective negative and positive terminals for said rechargeable electrochemical cell;

said rechargeable electrochemical cell being characterized in that :

the positive electrode comprises manganese dioxide which is capable of being charged and discharged, the first discharge capacity of the positive electrode at a low discharge rate being the theoretical one electron discharge capacity of the MnO_2

the negative electrode comprises zinc ;

the aqueous electrolyte is an ion conductive aqueous electrolyte selected from the group consisting of alkaline metal hydroxides such as potassium or sodium hydroxides, an acid selected from the group consisting of H_3SO_4 , H_3BO_3 , H_3PO_4 and mixtures thereof, and a salt selected from the group consisting of $ZnCl_2$, NH_4Cl , $NaCl$, KCl and mixture thereof;

the electrode balance, i.e., the ratio of the theoretical discharge capacity of the negative electrode to the theoretical one electron discharge capacity of the positive electrode is about 60% to 120% ; and

the positive electrode is restricted from significantly changing its dimensions during cycling by an interference at least at its outer periphery with the inner periphery of the container and by at least one interference at its bottom with the container, there being a further interference between the positive electrode and the separator and/or closure member.

(Compl. Specns. 39 pages;

Drgns : Nil)

Ind. Cl. : 50-E

179752

Int. Cl. : F 04 G 18/02.

A FLOATING SCROLL ASSEMBLY.

Applicant : TECUMSEH PRODUCTS COMPANY, 100, HAST PATERSON STREET, TECUMSEH, MICHIGAN 49286, U.S.A.

Inventor : HUBERT RICHARDSON, JR. U.S.A.

Application No. : 005/Mas/92 filed on 6th Jan., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office. Calcutta.

11 Claims

A floating scroll assembly for use as a fluid displacement apparatus in combination with a hermetic scroll-type compressor, comprising : a hermetic sealed housing (12) ; a fixed scroll frame (112) in said housing having an attacking surface (114) ; a drive plate (72) having a mounting surface anally opposing and attaching surface ; a fixed scroll plate (98) coupled to said fixed scroll frame in a manner permitting axial movement of the entire fixed scroll plate relative to said attaching surface, a back surface (104) facing said attaching surface and an opposite front surface (100) having an involute wrap (102) therein; an orbiting scroll plate (60) coupled to said mounting surface; a hind surface (66) facing said mounting surface and an opposite face surface (62) having an involute wrap (64) thereon, said involute wrap of said fixed scroll plate and said involute wrap of said orbiting scroll plate being operably intermeshed axially intermediate said fixed scroll frame and said drive plate, characterized by an axial compliance means between said attaching surface and said back surface and between said mounting surface and said hind surface ; for biasing said fixed scroll plate and said orbiting scroll plate toward one another to form an axially compliant scroll assembly that is axially movable relative said fixed scroll frame and said drive plate.

(Compl. Specns. ; 26 pages; Drgns : 3 Sheets)

Ind. Cl. : 143 C

179753

Int. Cl. : B 65 B 11/00.

A METHOD AND AN APPARATUS OF PRODUCING A PACKED ARTICLE WITH A SEALED STRIP LOOP.

Applicant : SIGNODE CORPORATION, OF 3600 WEST LAKE AVENUE, GLENVIEW ILLINOIS 60025-5811 UNITED STATES OF AMERICA.

Inventor : (1) BARRY R. ANGAROLA.

Application No. : 8/Mas/92, filed on 6-01-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Chennai Branch.

12 Claims

A method of producing a packed article with a sealed strap loop by joining open logs by a central crown, said method comprising the steps of : (A) positioning said open seal with the crown disposed between an anvil surface and said strap lengths and with the strap lengths located between the seal legs; (B) pivoting a pair of jaws about pivot axes against said open seal left toward said strap lengths to force said

display device each entity representation corresponding to one of the entities; valve relating means, which is displayed on the display device, the value relating means relating values belonging to to of values of the information to visual characteristics in a set thereof means for interactively selecting values from the value relating means; and means responsive to the mean for selecting values for causing each entity representation having a selected value to be displayed on the display device with the visual characteristic related to the selected value.

(Compl Specns. : 37 pages;

Drgns. : 8 Sheets)

Ind. Cl. 97 A.

179757

Int. Cl.⁴ : H 05 B 7/148.

"AN ELECTRODE CONTROL DEVICE FOR A DC ARC FURNACE".

Applicant : ASEA BROWN BOVERI LTD., OF CH-5401 BADEN, SWITZERLAND.

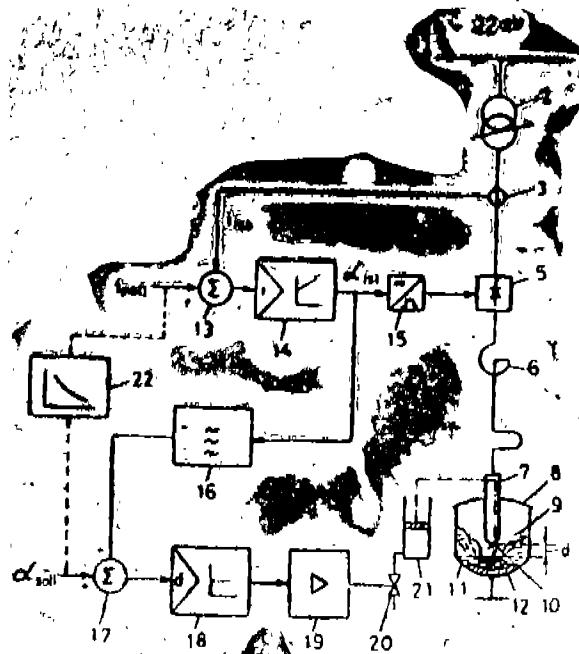
"Inventor (I) EDUARD STREBEL.

Application No. : 48/Mas/92 filed on 27 Jan. 1992.

Appropriate Office for Opposition , Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An electrode control device for a DC arc furnace (8) having at least one adjustable electrode (7), the said device comprising a converter (5) operationally connected to the said electrode (7), a current controller (14) for controlling the current through the electrode (7); an electrode adjusting device (21) for adjusting electrode separation (d) between the said electrode (1) and molten bath (H) of the are furnace (H) and operationally connected to an electrode controller (18) for controlling the said electrode adjusting device (21); the said electrode controller (18) being operationally connected on the input side to the output of the current controller (14),



9 Claims

Process for production of an alkaline or alkaline-earth metal salt of terephthalic acid, or of terephthalic acid itself, in which a polyol polyterephthalate is made to react with an alkaline or alkaline-earth metal hydroxide characterized in that the reaction is performed at 110-190°C in the absence of water or in the presence of water in an amount at most equal, by weight, to that of the alkaline or alkaline-earth metal hydroxide, the proportion of alkaline or alkaline-earth metal hydroxide representing 50 to 300% of the stoichiometry in comparison with the polyterephthalate, calculated to produce entirely salified terephthalate, the reaction being optionally followed by an acidification if terephthalic acid is the desired product.

(Compl. specn. 12 pages)

Drwg. Nil

Ind. Cl. : 72-C
Int. Cl.⁴ : C 06 B 31/00

AN EXPLOSIVE COMPOSITION AND A METHOD OF PREPARING THE SAME.

Applicant : TECHNOLOGICAL RESOURCES PTY. LTD., OF 55, COLLING STREET, MELBOURNE 300, VICTORIA, AUSTRALIA,

Inventors :

- (1) HARRIES, GWYN,
- (2) GRIBBLE, DAVID PAUL,
- (3) LYNE, GARY NORMAN,

Application No. 77/Mas/92, dated February 7, 1992,

Convention date : February 11, 1991; (No. PK-4556; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

An explosive composition comprising an oxidizing agent in solid particulate form and a fuel materials, wherein said fuel material has a nonabsorbent solid fuel material incorporated into the composition in particular form, the weight ratio of the oxidizing agent to the fuel material being in the range of 85 : 15 to 99 : 1, and the percentage by weight of the solid fuel material being set between 1 to 15% of the total weight of the composition, the balance, if any, of the fuel material comprising a liquid hydrocarbon component, and wherein at least one of the dimensions of the solid fuel material particles is of a size relative to the oxidizing agent particles such that a significant proportion of the oxidizing agent particles are not in contact with any solid fuel material particles whereby in use, the solid fuel material is elective in reducing the shock energy whilst increasing the heave energy so that the total energy per unit volume released remain comparable to a conventional high shock energy explosive of similar density.

(Compl. 27 pages;)

Drwg 1 sheet)

Ind. Cl. : 98 A
Int. Cl.⁴ : H 05 B 3/66

AN INFRARED RADIATION HEATING DEVICE.

Applicant & Inventor : FERNAND SCHERRER, A FRENCH CITIZEN OF 2 RUE GEORGES BIZET, 68170 RIXHEM FRANCE.

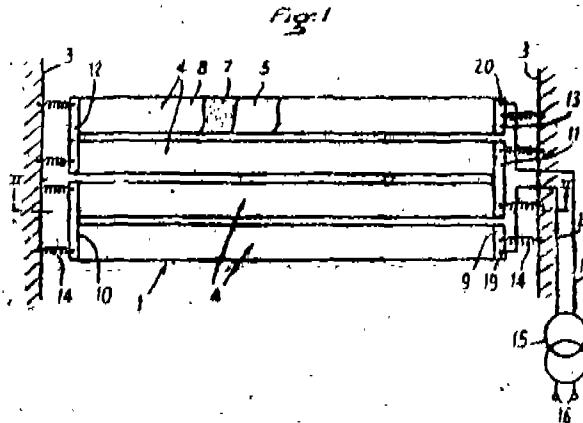
Application for Patent No. 146/Del/90 filed on 20-02-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 7)

An infrared radiation heating device for being fixed on a wall 3 or beneath the ceiling 2 of a room of a building,

said device comprising at least one flat infrared radiation emitter, said emitted consisting of a sheet 5 of an electrically conducting material and being connected to a source 15, 16 of low-voltage electrical supply, characterised in that said electrically conducting sheet 5 forms part of at least one composite band 4 and said having a coating of a thin black layer 6, in its side facing the interior of the room to be heated said layer having a high emissive power, the opposite side of said conducting sheet having a coating of sheet 8, said sheet 8 forming reflector for the infrared radiation towards the interior of the room.



(Comp. specn. 8 pages) Drwg. 1 sheet)

Ind. Cl. : 99 H
Int. Cl. : F 16 L 9/14. 179762

A TUBE OF COMPOSITE MATERIAL AND A PROCESS FOR THE MANUFACTURE THEREOF.

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, OF 37 BOULEVARD DE MONTMORENCY, F-75016 PARIS, FRENCH AND INSTITUT FRANCAIS DU PETROLE, OF 1 ET 4 AVENUE DE BOIS PREAU F-92500 RUEIL MALMAISON, FRANCE.

Inventors : FUCHS JEAN-FRANCOIS, TISNE MEANLOUIS, ODRU PIERRE.

Application for Patent No. 381/Del/90 filed on 17-04-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 9)

A tube of composite material formed of a tubular structural portion of fibers encapsulated with thermosetting matrixes and acting as binder characterised in that said tubular structural portion (1) with the thermosetting binder comprises first inner coating (2) of fibrous composite material having a thermoplastic binder, the interface fibers of the thermoplastic binder being closely bonded by polymerization to the said binder of the said thermosetting matrix portion of the said tubular structural portion (1) and

a supplementary inner coating (3) located below the first inner coating (2) made of thermoplastic material of pure polyamide and bonded to the thermoplastic binder of the side first inner coating (2).

(Comp. Specn. 8 pages) Drwg. 1 sheet)

Ind. Cl. : 32 E, 40 B
Int. Cl.⁴ : C OR F 10/06, C 08 F 4/42, 452, C 08-G 85/00. 179763

AN IMPROVED PROCESS FOR THE STFREO-SPECIFIC POLYMERISATION OF ALPHA OLEFINS IN THE PRESENCE OF A CATALYTIC SYSTEM,

Applicant : SOLVAY & CIE., OF 33 RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM

Inventors . PAUL FLASSE, (2) ALBERT BERNARD.

Application for Patent No. 389/Del/90 filed on 19-4-90.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

(Claims 6)

An improved process for stereospecific polymerisation of alpha-olefins which comprises subjecting, in any known manner, alpha-olefins to polymerisation in the presence of a catalytic system containing an organometallic compound such as hereinbefore described of metals of groups Ia, Ila, IIb and IIIb of the periodic Table and a complexed titanium trichloride-based catalytic solid which has been preactivated by bringing it into contact with an organoaluminium preactivator, wherein the said preactivator comprises the product of reaction between a compound (a) chosen from amongst organoaluminium compounds of formula $\text{AIR}_2\text{X}_{3-4}$ in which R represents hydrocarbon radicals, which may be identical or different, containing from 1 to 18 carbon atoms, X is a halogen, and n is a number such as 3 and a compound (b) chosen from amongst hydroxy-aromatic compounds the hydroxyl group of which is sterically hindered such as herein described, and wherein the solid precursor is maintained into contact with the preactivator into a suspension in an inert hydrocarbon diluent at a temperature between 0°C and the normal boiling point of the said diluent for a period between 5 and 120 minutes and separated from this preactivation medium.

(Comp. Specn. 33 pages

Drwg. Nil)

Ind. Cl. : 74 XXI (1) 179764

Int. Cl.⁴ : A 47 K 10/00

AN IMPROVED TOWEL.

Applicant : SHIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, OF 19, UNIVERSITY ROAD, DELHI-110007, INDIA.

Inventors :

- (1) JAI KRISHNA NIGAM,
- (2) BALBIR CHANDRA VERMA,
- (3) UMESH TANEJA,

Application for Patent No. 421 /Del/90 filed on 4-5-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 2)

An improved towel comprising a base fabric and a pile of tufted material characterised in that said base fabric has a blended yarn of polyester and cotton in the ratio of 20 to 80% and the pile has a blended yarn of viscous and cotton in the ratio of 15 to 85%.

(Comp. specn. 6 pages Drwg. Nil)

Ind. Cl. : 172 D 4 179765

Int. Cl.⁴ : D 02 G 3 /00

A METHOD OF PRODUCING IMPROVED FIBERS.

Applicant : PAUL V. COOK, OF 515 EXETER UNIT A, 6, SAN ANTONIO TEXAS 78209, UNITED STATES OF AMERICA.

Inventor ; PAUL P. COOK.

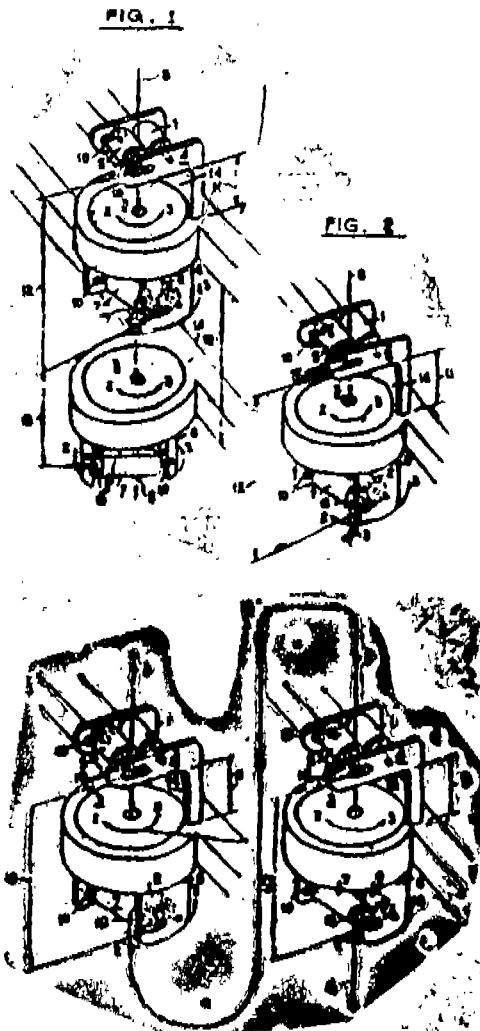
Application for Patent No. 546/Del/90 filed on 6-6-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(Claims 5)

A method of producing improved fibers, laid method comprising twisting a continuous strand of fibers of a uniform thickness, and stretching every individual fiber in a strand in a zone between pairs of feeding and stretching rolls, which are arranged at a distance from each other, with a stress lower than the tensile (breaking) strength of fiber, and without relative shifting (drafting) of the fibers in the strand (bundle) owing to its twisting characterized in

that in order to improve fiber characteristic primarily in strength uniformity of continuous fibers and fibres of a final length, the strand of fibers is twisted simultaneously with stretching the fibers in the zone between the feeding and stretching roll pairs by rotating the stretching roll pair relative to the longitudinal axis to the strand of fibers, every fiber being stretched with a stress exceeding yield point of the fiber and ensuring its residual plastic deformation and alteration of molecular structure, the distance between the feeding and stretching roll pairs chosen so as to exceed the largest final length of staple fibers.



(Comp. specn. 24 pages

Drwg. 2 sheets)

Ind. Cl. : 206 E 179766

Int. Cl. : G 06 C 7/00, 9/00, 11/00, 15/00 & 27/00

DATA PROCESSING APPARATUS.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventor ; JOHN MONROE DINWIDDIE LONNIE EDWARD GRICE, JAMES MAURICE JOYCE, JOHN MARIO

LOFFREDO, KENNETH RUSSELL SANDERSON, ERNEST DYSART BAKER.

Application for Patent No 662/Del/90 filed on 29th June;

Conventional data : U.K. Patent Application No, 8923888.5 dated 24th October 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

Claims 4

A data processing apparatus comprising

a first oricessir (85, 87) under the control of a first means operating under a first operating system;

a second processor (60, 62) under the control of a second means operating under a second operating system, the second operating system, providing the resource device services for the data processing apparatus, characterised in that

an information transfer device (156) is coupled between the processor enabling the direct transfer of information between the first and second means without using the services of the second operating system.

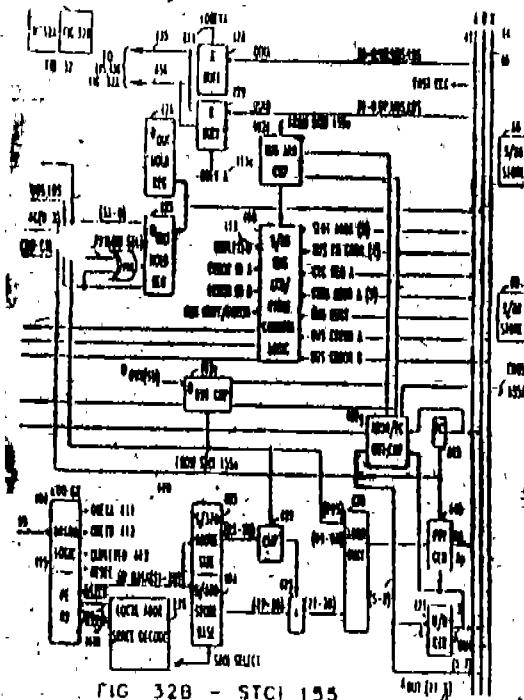


FIG. 32B - STCI 155

(Compl. Specn. 254 Pages;

Drg. 84 Sheets)

Int. Cl. : 29 A

179767

Int. Cl.⁴ : G 06 F 3/00, 3/05

A PID CONTROLLING APPARATUS FOR USE IN PROCESS INSTRUMENTATION.

Applicant : KABUSHIKI KAISHA TOSHIBA, OF JAPAN, LOCATED AT 72 HORIKAWA-CHO, SAIWAI-KU, KAWASAKI-SHI, JAPAN.

Inventor : KAZUO HIROI

Application for Patent No. 0673/Del/90 and filed on 3-7-90.

Appropriate Office for filing Opposition Proceedings (Rule 14, Patents Rules 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

Claims 5

A pid controlling apparatus for use in a process instrumentation comprising;

deviation 11 means for calculating a deviation, between a process variable from a controlled system and a, target Svn value, and ourputting the deviation;

first controlling 13 means for receiving the deviation, executing a velocity-type I controlling 13. calculation, and outputting a first calculation. In output, said first controlling means including output means for outputting the first calculation output; and stopping means 23 for selectively stopping the output of the first calculation output;

second controlling 14 means for receiving the deviation, executing a velocity-type P or PD controlling calculation, and outputting a second calculation output;

summing 15 means for receiving the first and second calculation outputs, summing the first and second calculation outputs, and outputting a velocity-type manipulative variable;

positional signal conversion 16 means for converting the velocity-type manipulative variable into a positional manipulative variable, and outputting the positional manipulative Mvn triable;

limitation 17 means for receiving the positional manipulative variable Mvn, limiting a magnitude of the positional manipulative variable to fall within a range between pre-determined upper and lower limit values, limiting a change rate of the positional, manipulative variable within a pre-determined change rate limit value, and outputting a limited, manipulative variable being supplied to said controlled 12 system, and

limit-deviation judgement 20 means for receiving the positional Mvn manipulative variable and the limited manipulative Mvn variable and judging whether or not the positional manipulative variable Mvn is deviated from at least one of upper or lower limit values and the change rate limit value, said limit-deviation judgement 17 means supplying a signal for stopping, supply of the first calculation output to said summing means to said stopping means, and stopping the sum operation by said summing means thereby setting the velocity-type manipulative variable in a hold; state, when said limit-deviation judgement means determines that the manipulative variable is deviated.

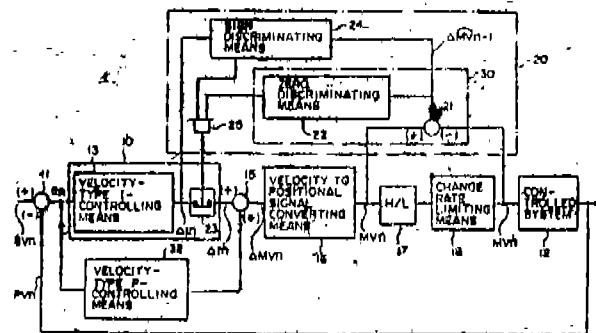


Fig. 8

(Compl. Specn. 38 Pages; Drg. 7. Sheets)

Int. Cl.⁴ : H 04 R 13/02 179768

Ind. Cl. : 187 E-4

A SUBSCRIBER CIRCUIT.

Applicant : OKI ELECTRIC INDUSTRY CO LTD, A JAPANESE COMPANY, OF 7-12, TORAONOMON 1-CHOME, MINATO-KXT, TOKYO, JAPAN.

Inventors : OSAMU SHIRAI, SHIGERU HOZUMI

Application for Patent No. 789/Del/90 filed on date 6-08-90,

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi 110005.

Claims 5

A subscriber circuit for applying D. C. current to a subscriber terminal over a pair of subscriber lines, comprising :

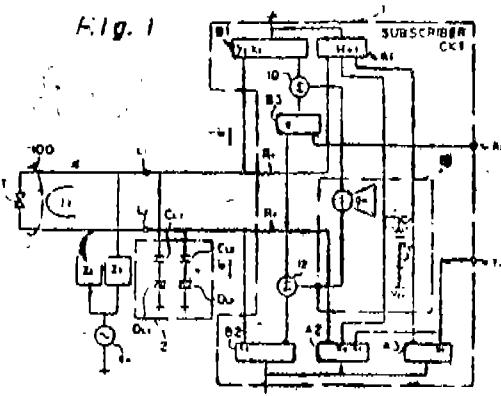
Monitoring means (A1, A2) connectable to the pair of subscriber (100, L1, L2) lines for sensing a potential difference between the pair of subscriber (100, L1, L2) lines;

Amplifying means (18) connected to said monitoring means (A1, A2) for generating an output current proportional to the potential difference detected by said monitoring means (A1, A2).

Free voltage control means (10, 12, B2, B3) connected to said amplifying means (18) for adjusting current fed to the pair of subscriber lines (L1, L2) in proportion to the output current generated from said amplifying means (18) to thereby suppress the in-phase induced noise voltage; and

In-phase induced noise suppressing means (1) for suppressing an inphase induced noise voltage of large amplitude induced across the pair of subscriber lines (100, L1, L2).

Said in-phase induced noise suppressing means (2) having a pair of circuits each having a capacitor (CL1, CL2) and a non-linear element (DL1, DL2) connected in series to each other, each capacitor (CL1, CL2) being connectable to different ones of the pair of subscriber lines (100) said non-linear elements (DL1, DL2) being connected to a reference potential and having threshold over which said non-linear elements (DL1, DL2) conductive.



(Comp. Specn. 14 Pages;

Drg. 2 Sheets)

Ind. Cl. : 40 F, 55E4,

179769

Int. Cl.⁴ : A 61 K 31/00

AN IMPROVED PROCESS FOR THE ISOLATION OF SWERCHIRIN (1, 8-DIHYDROXY, 3, 5-DIMETHOXY XANTHONE) HAVING HYPOGLYCAEMIC ACTIVITY FROM THE PLANT SWERTIA CHIRYITA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA.

Inventors : MADHU BALA BAJPAT, BYSANI CHANDRA SEKHAR, BHASWAR MUKHERJEE, SWARUP KUMAR MATHUR, RAKESH KUMAR ASTHANA, SUDHIR KUMAR PALVI, RAMENDRA BHUSAN CHAKRAVARTY, ASHOK KUMAR SENGUPTA, RANJAN BANERJEE, NARENDRA KUMAR SHARMA, BISHAN NARAIN MEHORTRA, DINESH KUMAR KULSHRESTHA, SHYAM KISHORE NUGAM, SUNIL KRISHNA CHATTERJEE, SURATH KUMAR MUKHERJEE.

Application for Patent No. 886/Del/90 filed on 5-9-1970,

Appropriate Office for Opposition Proceedings (Rule A, Patents Rules, 1972), Patent Office Branch New Delhi 110005.

Claims 6

An improved process for the isolation of Swerchirin (1, 8-dihydroxy 3, 5-dimethoxy xanthone) having hypoglycaemic activity from Swertia Chirayita, which comprises extracting the plant Swertia chirayita with an aliphatic alcohol having 1-5 carbon atoms, removing the said alcohol by known methods, extracting the residue with hexane, removing hexane by conventional methods, then dissolving the hexane soluble residue in chloroform, impregnating silica-gel with the chloroform solution, loading the impregnated silica gel on a column of silica gel prepared in benzene, and eluting first with benzene and then with benzene-chloroform mixture, removing the solvent from the benzene chloroform eluate fraction containing Swerchirin to give crude Swerchirin, and crystallising the crude Swerchirin from a known suitable organic solvent to give pure Swerchirin.

(Comp. Specn. 8 Pages;

Drg.

Sheet Nil.)

Ind. Cl. : 40 BF

179770

Int. Cl.⁴ : C25B 1/00

A METHOD FOR PREPARATION OF GAS DIFFUSION ELECTRODES.

Applicant : THE TATA ENERGY RESEARCH INSTITUTE, OF JEEVAN TARA BUILDING, PARLIAMENT STREET, NEW DELHI-110001.

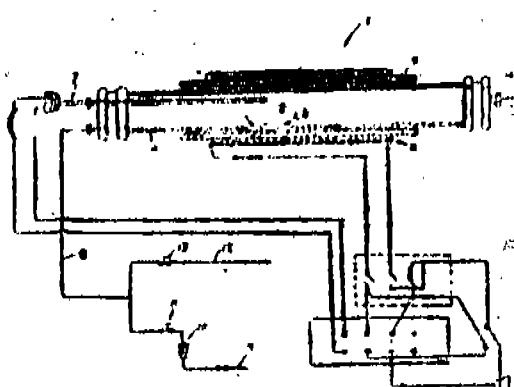
Inventors : SANIEEV MUKHERJEE.

Application for Patent No. 1056/Del/90 filed on 24-10-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005,

Claims 11

A process for the preparation of gas diffusion electrodes for use as anode and cathode in phosphoric acid fuel cells comprising preparing a pretreated carbon substrate, applying a coating of an electrocatalyst paste on to said pretreated carbon substrate and then applying a pressure of 20 to 75 kg/cm² on said coated carbon substrate at a temperature of 50° to 110°C so as to form a bond between the electrocatalyst paste and substrate and then subjecting said coated substrate to the step of sintering at a temperature of 250°C to 375°C to form said electrode.



(Comp. Specn. 15 Pages;

Drg. 1 Sheet)

CLAIM "UNDER SECTION 20 (1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20 (1) of the Patents Act, 1970 application No. 403/Cal/92 (177657) made by Zimpro Passavant Environmental Systems Inc. has been allowed to proceed in the name of U. S. Fiter/Zimpro, Inc.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by HOOGOVENS GROP BV, the Netherlands in respect of Patent Application No. 748/Mas/90 (177409) as advertised in Pan III, Section 2 of the Gazette of India on 21-12-1996 and no opposition being filed within the stipulated period. The said amendments have been allowed.

Notice is hereby given that Hindustan Lever Limited, of Hindustan Lever House, 165/166 Backbay Reclamation Mumbai-400020, Maharashtra India has made an application under section 57 of the Patents Act, 1970 for amendment of complete specification of their patent Application No. 279/Bom/1993 (178853) for "A process for preparing an antiperspirant composition suitable for topical application to the human skin." The amendments are in the pages No. 28 to 30 of complete specification. The application for amendment and proposed amendment can be inspected free of charge at the Patent Office Branch, 3rd Floor, Todi Estate, Sun mill Compound, Lower Parel (East), Mumbai-13 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file the notice of opposition on the prescribed

form—15 alongwith full written statement within three months from the date of this notification, at the Patent Office Branch, Mumbai. If full written statement of opposition is not filed with the notice of opposition it should be filed within one month from the date of filing the said notice of Opposition.

LIST OF CESSATION

156618 156677 156751 156789 156935 157017 157331
173176 173737 174047

PATENT SEALED ON 31-10-97

177801 178121 178122 178125 178128 178129 178130*
178131 178132* 178135 178136* 178137 178138 178139*D
178140*F 17841* 178142 178143* 178144 178145 178147
178148 178149" 178150* 178151 178152*D 178153*D
178155*D 178156*D 178157*D 178158*D 178159*D
178160*F

CAL-01, DET.-18, MUM-NIL,- CHEN-14.

Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D - Drug Patents

F - Food Patents.

COMMERCIAL WORKING OF PATENTED INVENTIONS
ELECT: ENGG. LIST NO. 11

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act 1970, in respect of calender year 1995, generally on account of want of request for licences to work the Patented invention, Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose, ,

Patent No.	Date of patent	Name & Address of patentee	Title of the Inventions,
1	2	3	4
163032	15-9-1985	Ahmedabad Textile Industry of P. O. polytechnic, Ahmedabad-380015, India.	An-electronic device for determining and monitoring the position of a moving magnetic object with a confined spaced defined by Non-magnetic material.
171827	15-5-1989	Atfa-Level Thermal & D, of P. O. Box. 74, S-22100 Lund, Sweeden	plate heat exchangers.
174185	16-11-1988	Alsthom , of 38, Avenue, Kleber, 75784, Paris, Cadex 16-France,	A motor system for a rail road switch.
174564	17-10-1988	Do,	Leak-proof electrical apparatus such as a circuit breaker employing a dielectric gas under pressure.
174863	20-3-1989	Do.	A high tension circuit breakers.
171548	20-2-1989	Armco steel Co.. I. P. of Delaware Ltd., Partnership, at 703, Cunits, Street, Middletown, Ohio, 4503, USA.	Ultra-rapid heat treatment of grain oriented electrical steel.
175153	24-3-1988	Asea Brown, Boveri-AB, of S-721-83, Vasteras, Sweeden.	A three-phase AC power line having a capacitor series compensating circuit.
172802	4-1-1989	Baltimore Air Coil Company, Inc., of 7595, Montavideo Rd. Jessup, Maryland-20794, USA.	A thermal storage unit.

1	2	3	4
167451	15-5-1986	Board of Regents, The University of Texas System, of 201. West 7th Street, Austin, Texas- USA	An apparatus for carrying out an electromagnetic geophysical survey
171957	14-5-1986	Do.	An apparatus for obtaining a resistivity survey of the earth surface.
173222	21-3-1989	British Telecom Plc. of 81, Newgate Street, London. FCIA, 7AJ Enaland.	A call traffic control sub-system for use in a communications switching system
163659	3-10-1985	BROWN Boveri, Cie, AG. of D-of D-6800, Mannheim-kalertol, Rallstrailtor Strasses, 1, West Germany.	Adapter for an electrical installation device.
164944	23-8-1985	Do.	Electrical Switch.
169728	30-4-1987	Caradon M.K Electric;Ltd.,of Shrubbery Rd, Edmonton, London, N-9, OPB, England.	An electric terminal for electrical switch.
168579	17-7-1987	Commodore-Amiga, Inc. of 983, University Avenue, Losgatros, California-95030, USA.	Audio channel system for putting an analog signal corresponding to a sound waveform in a Personal computer system.
161449	3-7-1984	Contraves Intalia SPA, of Via, Affle, 102-002 131, Rome, Italy.	Reflector Antenna.
173313	31-12-1987	C. S.I. R. of Rafi Marg. New Delhi-110001. India.	A process for production of electrical contact material.
174782	1-8-1938	Do.	An electronic probe for the detection of metal embedded in earthen embankments
163593	23-9-1985	Festo KG, Ruiter Str. 82, 7300, Esslingen, Germany.	A circuit assembly for use in electrical pneumatic; controllers.
164073	12-4-1985	General Electric Company, of 1, River. Rd., Schenectady, State of New York-12305. USA.	Electromagnetic levitation casting apparatus having improved levitation.
170842	23-8-1988	Do.	A system for receiving television type signal.
170397	9-2-1988	General Instrument Corpn, of 767, fifth. Avenue NEW York, N.Y., 10153, USA	Process for fabricating semiconductor devices.
171737	9-2-1988	Do	A process for fabricating semiconductor devices.
172061	27-7-1988	Do.	A process for forming a semiconductor devices.
172579	27-7-1988	Do	A process for forming a semiconductor devices.
172580	27-7-1988	Do.	A semiconductor device.
173369	27-7-1988	Do.	A process for forming a semiconductor devices.
173370	27-7-1988	Do	A Process for forming a semiconductor device.
175004	12-6-1990	Globe Union Inc. of 5757, North Green, Hay Avenue, Milwaukee, Wisconsin-53209, USA.	Switched dual battery system particularly for vehicles.
174059	8-12-1984	IMZ Fertigungs-Und-Vortriebsgesellschaft, Fur, Dentale Technologic, MBH. of Ta1slrasse-23, 7024-fiderstadi, West Germany.	Plug connector for the detachable fitting of a prosthesis structure.
171574	19-2-1990	Um Exchange (India) Ltd., of C-4, MIDC, Chemical Zone, Ambernath, -421501, Distt : Thana, Maharashtra, India,	A process for preparing a slow and constant halogen releasing material.

1	2	3	4
164540	17-4-1985	Jeumont-Schneoder of 31-32. Quai De, Deon, Boute-92811. Puteau cedex. France.	An oscillating circuit for a detector.
167048	17-4-1985	Do.	Apparatus for monitoring the period of separation of impulses.
172111	8-7-1988	John H. Blakemore of 1143, South Taylor Street. Oak Park. Illinois-60304. USA.	A transmission system.
172642	14-12-1988	Kabusbiki Kaish Myukoma, of Kita, -4. Jonishi, 4-choms, Chuo-ku, Sapporo-shi. Hokkaido, Japan.	A transmission system for picture phone.
174713	23-5-1991	Ketr Megee Chemical Corporation, of Kerr, Megee, centre, Oklahoma City, Oklahoma-73125, USA,	Method of producing electrically conductive pigmentary.
172879	5-9-1991	Laboratorien, Hausmann, A.G, of Rochenstrasse-37. CH-9001, St. Gallen, Switzerland.	A process for preparing radioactive metal complex for use as X-ray diagnostics and antitumor agents.
174569	14-12-1988	LA-Tlemecanique Electrique, of 33, Bir, Avenue, Da-Marochal, Joffre-9200. Nanterre, France.	A thermally protected electrical switching apparatus.
174605	16-3-1989	Do.	An electromagnet for actuating the switches of a contact marker apparatus.
17460S	23-3-1989	Do.	Connection terminal for an electric apparatus.
169785	15-7-1987	Liucin GmbH, of Heinrich -Hertz-Starsse, 6909, Walldodu, Germany.	A time control device for central lubrication system of a powerless vehicle.
172228	28-11-1988	Mannesmaan, AG of Mannrdsnnugrt-2 D-400 Dasseldont, 1-F.R. of Germany	Apparatus for positioning a consumable electrode in a furnace..
172953	2-8-1989	Minnesota, M. & M, C, , of 3M, centre, Saint. Paul, Minnesota -55144-1000, USA.	A flexible intergrated circuit.
174875	10-11-1989	Mitasuba Electric Manufacturing Co. Ltd., of 2681 Hirosaqacho-1-Chome, Kiryu. Shi, Gunmol, Japan.	Coil apparatus.
175031	24-4-1990	NKG. Kabel B. V. of schieweg 9. PO. BOX-26, 2600. MC. Delft, the Netherlands.	Joint for high-voltage and very high voltage plastic cable.
174731	5-6-1990	Nokia Mailiefer Holding, S.A. of Route, du Bois, CH.1024, Ecublens, Switzerland.	Apparatus for reeling or unreeling a cable or the like.
166158	1-4-1987	OY-NOKIA. AB, Mikonkatu-15, 00100, Helsinki, Finland.	An apparatus to form a product such as cable by alternate reverse twisting method.
165593	23-9-1985	pesto KG, of Rwtter Sir. 82, 7300, Esslingen, Federal Republic of Germany.	A circuit assembly for use in electrical Pneumatic controllles.
166629	23-7-1987	Qualitrol Corporation of 1385 -Fairport Rd, Fairport, New York-14450, USA.	Transformer life consumption indicator.
174872	27-2-1990	RCA Corporation, of 201, Washington, Road, Princeton, New Jersey -88540, USA.	Switch made power supply of television apparatus for generating an output supply Voltage (+B) during botha standly made of operation and during a sun mode of operation.

1	2	3	4
174336	25-7-1990	Rosemount Inc, of 12001. Technology Drive Eden Prairie, Minnesota, 55344. USA.	A transmitter with a flame arresting plug.
173367	17-4-1989	Rotelec, S.A. of-40, rue, Jean, Jaures, 93176, Bagnolet. Cedex (France)	A heat exchange device for protecting the polar electro-magnetic inductor.
173053	21-3-1989	Samsung, Electronics & Co. Ltd., of 416, Maetan dong Kwachun-Ku, Suwon, Kyunggi-Do. South Korea.	Voltage regulator circuit for free Voltage,
174367	17-8-1990	Do.	Circuit apparatus for Identifying a smicon- ductor intergrated circuit chip.
174859	642-1989	Do.	A method of manufacturing an electrode of an electroe of an electron gun of a cathod ray tube.
174860	6-12-1989	Do.	A method of manufacturing an electrode for an oletron, gun of a cathode ray tube
175280	3-9-1991	Do.	Circuit for recording/reproducing a time bare corrector reference signal for connecting timing discordance of video signals.
158606	2-2-1983	Siemens AG, of Berlin, & Munich. West, Germany	Electrical fuse linlk.
160993	31-5-1983	Do.	Electrical control panel.
161813	10-5-1984	Do-	Power station including an integrated card gositification card.
165415	10-11-1986	Do.	A gas blast electric circuit breaker including two spaced apart contact pieces.
IbS928	20-6-1989	Siemens AG, of Berlin, & Munich, West- German	A circuit breaker.
171808	16-5-89	Do	Standard electroacoustic transducer.
173257	27-9-89	Do.	Vacum switch tube and load beak switch having said tube
174465	8-2-90	Do.	An inverter circuit for rerouting a sinusodal wave from a DC supply.
174503	70-90	Do.	Heat shrinkable repair cover for pressuri- sed cables.
172178	29-1-88	Stein, Undustrie, of-19-21, Avenue, Monane, Sauliner, 78140, Vetizy, Villacoublay, France.	Heat exchange component for a heat exchange.
173297	29-12-89	Telefonica De Espana, S.A. of Gran Via, 28-28013, Madrid, Spain	Out doors modular public telephone.
174953	29-10-90	Thomson Consumer Electronics, Inc. of 600, North Sherman Drive, Indianapolis, Indiana, 46201, USA.	Method of forming a shrink fit implosion protection bend for cathode ray tube.
168203	11-11-87	TOX-Dubel-Wert, R.W Heckhausen & CO. of D-7762, Hodman Ludwingshafen, West Germany.	Straddling or buckling plug.
175192	20-8-90	Unique Mobility, Inc, of 3700, South Jason. Street, Englewood, Colorado-80110, USA	Switching circuit for power devices.

COMMERCIAL WORKING OF PATENTED INVENTIONS, MECHANICAL ENGG, LIST NO. 1

The following Patents in the field of Mechanical Engineering Industry are not being commercially worked in India as admitted by patentees in the statements filed by them under section 146(2) of the patents Act, 1970, in respect of calender year 1995, generally on account of want of request for licences to work the patented invention, persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of patent	Name & Address of patentee	Title of the Invention
1	2	3	4
158648	23-5-1983	A. Ahlstran Corporation, of Sf, 296000. Noorrarkku, Finland	An apparatus for recovering heat from gas containing molten compounds.
173684	20-3-89	Do.	A method and an apparatus for producing a prereduced product suitable for final reduction from material containing metal oxide such as ore concentrate or dressed ore.
161036	28-7-83	Adrian March Ltd., of 7. Argyle close, white Hill, Bordon, Hampshire. GV-35, 9 PU, England,	Position sensor.
166172	10-9-85	Adrian March Ltd., 7 Argyle Close, White Hill Borodon. Hampshire, GV-35 9PU England,	A position senior for detecting changes in the relative position of two bodies.
173654	10-9-85	Do.	An apparatus for detecting changes in the relative position of two bodies using a position sensor.
171474	9-2-89	A.E. Bishop & Associates Pty. Ltd. of 19, Buffalo Road, Glade-sville, New-South Wales, common wealth of Australia,	Improvements in scanning induction hardening process.
168950	21-11-87	Agracetus of 8520, University Green, Middleton, Wisconsin, 53 562, USA,	A method of producing transformed cotton cells by issue culture.
157039	5-1-83	Ahmedabad Textiles, Industry's Research Association, of P.O. polytechnic-Ahmedabad-380015, India.	A tool for cutting micronic serrations at the edge of a blade of hordened material such as for slabcatchers and a method of forming such tool.
169242	7-4-89	Do.	A cell type air humidification system.
173399	28-4-92	Do,	Half-lop for circular combing machine.
160710	5-5-84	B.L. Technology Ltd., of 35—38, Portman square. London, WIH, OHQ, great Britain & of 188, sherbrooke Street, West Montreal, Oucbee, Canada. HP.A-362.	Structures fabricated from aluminium component & process involve in making the structure.
167747	6-8-86	Alfa Institute Fur Hauswirtschaftliche, Product Und, Vereahrens-Entwicklung, GMBH, of Albrechtstrasses-4. 6228-Eltville am Rhein 2, Germany.	A cooking vessel.
168464	1-9-86	Do.	A mod fled microwave cooking apparatus.
161091	1-6-84	Alfred Reader & Co. Ltd. of Invicta Works, Ieston, Maidatove, kentm NE-18. 5AW, England.	A ball and the method of manufacture thereof.
174556	3-10-88	Allevard Industries, of chenin De Malacher, 3824. Maylan France.,	A clip for fastening a rail of a railway on a rail support.
174097	8-6-90	Allsop Inc, of 4201, Mostidian, Bellingham, WA, 98226, USA.	A vehicle seat support.
163712	16-7-85	Alsthom, of-38. Avenue, Kleber, 75784, Paris, cedex-16, France.	Compressed gas circuit breotier.

1	2	3	4
173392	22-3-91	Amarnath Nilkanth Junnarkar, Desai cottage Plot No. 49, block, N.4, Dr. M R, Radi ROAD Shaj park, Bombay-400028.	Automotive tube with multiair chambers and valves
161890	22-8-84	Amco International Alfa, Metacraft, Corporation, AG, of Buonaserstrasse, 30, CH-6315-Rotkrcuz, Switzerland.	Steam Pressure cooker.
169289	20-4-87	American Standard Inc, of 40, West 40th Street, New York, New-York-10018, USA	A control valve device for use on each car of a railway train having a brake pipe interconnected to the brake pipe of the adjoining car.
172820	26-12-38	Do.	A railway cars resilient siols bearing assembly.
172823	26-12-88	Do.	An apparatus for use in reconditioning a worn friction clutch mechanism.
173419	1-2-90	Do.	Sanitary water valve with a control member.
160729	16-7-84	Amsted Industries Inc, 205, North Michigan Avenue, 44th Floor, Boulevard Towers South, Chicago, IL, 60601, USA,	Pouring tank ftrasfer car including track assembly.
161195	13-7-84	Do.	Mold transfer assembly.
163295	6-12-84	Do.	A coupling arrangement for railway cars.
163311	16-11-84	Do.	Railway wheel rotundity gage.
166018	6-9-85	Do.	An improved striker assembly apparatus for railway cars.
166027	20-11-85	Do.	A railway truck friction shoe pocket for accomodating a friction shoe therein.
166138	1-1-1986	Amsted Industries Inc. 205, Nor Michigan, Avenue, 44th Floor, Boulevard Towers South, Chicago ,IL, 60601, USA.	A stackless coupler connection for a railway car.
166177	16-9-1985	Do.	A method of manufacturing a wire rope and a wire rope manufactured thereby.
166562	15-11-1985	Do.	Plastic filled wire rope with strand spacer.
166242	31-3-1986	Do,	Apparatus for obtaining temperature of an object such as a railway wheel being heat treated.
168014	28-8-1986	Do.	A railway truck with longitudinally spaced wheel sets.
168093	15-10-1986	Do.	An improved apparatus for positioning and testing rail road wheels.
169222	18-1-1987	Do.	Agrindingapparatus.
170095	1-9-1987	Do.	Hardness testing device.
170667	7-10-1988	Do.	Side frame for use in a railway truck,
171279	28-11-1988	Do.	A sand dispensing device.
174497	12-4-1990	Do.	A railway vehicle coupler
170010	25-11-1987	Anthony Laon Stephens, of 3511, Pacific Highway springwood, state of Queens and, 4127, Common Wealth of Australia.	A transportable apparatus for proportioning in the ingredients of mixtures,

1	2	3	4
173273	12-9-1989	Application Art, Laboratories Co. Ltd., of 9-46 Hahanata-2-clome, Adacinku. Tokyo, Japan.	Magnetic lock closure device.
171422	5-9-1988	Armeco, Steel Co.. I p. of 705, Curtis, Street, Middleton, Ohio. 45043 U.S. A.	A process for producing a ferritic steel alloy product having good oxidation resistance and creep strength at elevated temperatures
171545	20-2-1989	Do.	A method of annealing a non-oriental steel.
171546	20-2-1989	Do.	A method of producing permanent domain refinement for electrical steal strip.
171547	20-2-1989	Do.	A process for producing permanent domain refinement on grain oriental electircal steel strip.
171870	27-11-1989	Do.	Method for producing hot rolled grain oriented silicon steel.
172412	18-1-1988	Arunodo Technology AG, Kirchstrasse, 11, CH-9400, Rorschoch, Switzerland	Process and apparatus for the contiuous produced palstic hellow sectors particularly suitable for Producing pipes of circular cross section and fibre reinforced hallow section produced thereby.
153021	11-6-1982	Ashok Metal Industries, Society Rajkot, 360001, Gujarat, India.	Improvements in or relating to multiwick liquid fuel such as kerosene stoves.
173645	19-9-1988	Astra Reserach Centre of 18th Cross, Malleswaram, Bangalore, 560003, Karnataka State.	A method for preparing a diagnostic to detect antibodies against antigens of cysticercus cellulosae.
164298	22-12-1986	Balcke-Durr Aktle Gesellschaft, of 4030 Ratingen, Hombarger, Strasse, 2. Germany.	Heat exchanger.
171510	4-1-1989	Beltimore Aircoil Company. Inc. of 7505, Montevideo Rd., jessup, Maryland-20, 794, USA	An improvel counter flow cooling water tower.
172502	17-5-1989	Do.	A transition duct for centrifugal fan.
174101	3-1-1990	Do.	Modular cooling tower assembly.
166269	29-7-1986	BBC Brown, Boveri Ltd., of CH-5401, Badon, Switzerland.	Compensating device for compensating current oscillations.
170804	30-9-88	Berno Ostermeyer, of Stuart Highway. Berrimah, Northern, Territory, Common Wealth of Australia,	Side tipper support system.
171180	30-8-1988	Bespak Plc., of Bergen, way, North Lynu, Industrial Estate. Kings, Lynn, Norfolk PE30-2jj. England.	Collapsible chamber metering device.
158407	14-11-1983	Bhaskar Ramchandra Pai, Ph. O. (London) of Assistant Director, National Aeronautical Laboratory, Bombay-17,	A device for measuring' flow rates of fluids.
174479	6-1-1989	Riolandes, Technologies, of Le. Sen, H-40120, Labrit, France.	\ process for separating by solvent extracting a product (solute) such or essential oils contained in a plant material and an apparatus for carrying out the process.

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172128	14-5-1986	Board of Regents, of-201 West-7th Street, Austin, Texas-78701, USA.	An apparatus for making a map of the conductivity of a cross section of the earth.
174635	14-6-1990	Bohler pneumatik International Gesellschaft, b. b. H, of A-8605, Kapfenberg, Werkstrasse 6, Austria & Veitscher Maghestwerk-Actionsgesellschaft of A-1011, Vienna, Sechubertring 10-12 Australia.	Apparatus for the removal of worn nozzle bricks of brick linings in metallurgical vessels.
159528	17-2-1984	Borden Inc. of 180, East, Broad Street, Columbus, Ohio, 43215, USA.	A process for making foundry cores or molds.
153829	25-10-1982	Brakes India Ltd. of padi, Madras-600050, Tamil Nadu, India.	Scam brake.
156335	19-10-1982	Do.	A dust cover for wheel cylinders of vehicle hydraulic brakes
17 73	9-12-1987	British-American Tobacco Co. Ltd., of P. O. Box 482, West Minister House, 7, Mill-bank, London, SW1P, 3jE, England.	Improved tobacco expansion apparatus.
163829	11-6-1985	National Research Development, Corporation, of 101, Newington, Couse way, London, SE 1. 6BU, England.	Whole crop; harvesting or separating apparatus.
172578	28-9-1987	British Telecommunications public Ltd, Company, of 81, Newgate, Street, London-EC-1C-IC1, A7 A J England.	An apparatus for translating Phrases from a first language into at least one second language;
173776	17-11-1987	Do	An apparatus for classifying a set of values representing a two dimensional pattern.
173777	17-11-1987	Do.	An apparatus for classifying a set of values representing a two dimensional pattern.
173778	17-11-1987	Do.	An apparatus for classifying a set of values representing a two dimensional pattern.
174351	27-2-1989	British Technology Group Ltd , of 101, Newington, Causeway, London, SE-1,6BU-England,	Pressure regulator and across dispenser package having said pressure regulator.
161869	6-6-1985	Brown, Boveri, & C/E, Ag, of D-6800, Mannheim-Käfertol, Kallstädter Strasse-1, Federal Republic of Germany.	Linged armature mounting.
169291	23-5-1988	Buhmann SA, of rue, des Coteaux, 249-BE-1030 Bruxelles, Belgium.	Compression head for machine for continuously desizing vegetable matter.
174375	5-9-1989	Cobot Corporation of 950, Winter Street, P. O. Box 9073, MA-02254-Madras-600002.	A process for producing a treated particulate material.
167356	20-4-1987	Carrier Corporation, of 6304, Carrier Parkway, P. O. Box-4800, Syracuse, New York-13221, U.S.A.	An improved oil lubrication noise suppression, system.
173431	25-5-1989	Cenefill pty. Ltd., of peat Marwick, Hunger Fords, 1st floor, Barolay House, 15, Short ST, Southport, Queensla.	Method of constructing load bearing surface.,
169725	9-6-1987	Charbonnages De France, of 9, Avena, perrier, 75008, paris, France.	A supporting installation for mining
170405	18-11-1987	Do.	A machine for stamping mixtures of coal for coking in a stamping box.

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173264	2-8-1989	Chiu-Shan Lee, of 133-2, Lane. 163, Lab HO-Rd., Section, 4, San chung City, Taipai, Hsien, Taiwan, R. of China.	Multi Purpose safety receptacle.
173129	22-2-1990	Cogent Ltd., of Temple court, 11, Queen Victoria Street, London, EC4A, 4Tp, England.	A Process for the manufacture of diagnosis Probe for the diagnosis and/or apidermio-logical study of mycobacterial infection.
170034	14-10-1988	Compagnie De. Rafinage ET-DE Distribution Total of 84, Rue dc Villiors, 92300, Levallois-parret, France.	Apparatus for injection of a change of hydro-carbon in a reactor for catalytic cracking.
171802	20-12-1988	Compak Systems Ltd., of Torr Street, Gainshrough, Linco/mshire-DN-21, 2EG, England.	Apparatus for laying a matt of fibrous materials.
173417	9-11-1989	Copyguard Enterprises, S. A, of 672, Rue, De Neudorf, Luxembourg.	An apparatus for preventing unauthorised recording on tapes of video programmes.
160149	9-7-1984	Council of Scientific & Industrial Research, RafiMarg, New Delhi, India,	Process for the preparation of aluminium base galvanic anode alloys.
169145	10-12-1986	Do.	A mould for the production of precast concrete blocks for construction of roads and other riding surfaces.
169887	5-3-1987	DO.	An improved cupola.
170507	4-5-1988	Do.	An improved multi-surface solar still for converting salin or poluted water into fresh or distilled water.
171194	31-7-1987	Do.	A process for producing high strength cold bonded ore pellets of prefines having a strength of 200 kg.
173089	26-6-1989	Do,	Device for sensing and measuring moisture content in soils and other porous materials.
173446	28-12-1987	Do.	Process for extraction of kappa carageenan from Indian red seaweeds.
173903	14-3-1989	Do.	A power operated maching for splitting bamboo.
173970	26-12-1990	Do.	An improved process for the preparation of microtitre plate useful for enzyme immunoassay of testosterone in serum,
174005	30-5-1988	Do.	An improved device for converting solar energy to thermal energy.
174075	29-8-1988	Do.	A device for testing permeability of geo-textiles.
174231	2-8-1988	Do,	An improved atomising film burner.
174341	13-6-1989	Do.	An alectron emitting device for high resolution electron-optical instruments.
174777	4-8-1988	Do.	An epend ible bit for the installation of horizontal drains for preventing landslides
174853	27-6-1989	Do.	An improved concentrating type solar cooker.

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174855	24-12-1990	Council of scientific & Industrial Research, RafiMarg. NeW Delhi, India.	An improved rope truss device for supporting the roof of the underground mines.
174856	24-12-1990	Do.	An improved pit prop for use as a support for the roof of mines
174837	24-12-1990	Do.	A quick-seffing chock for supporting the roof of underground mines.
174937	25-7-1989	Do.	In-situ soil ptl motor with metallic sensor.
174938	27-12-1990	Do,	An improved recoverable roof bolt for supporting the roof in underground mines.
174939	3-1-1991	Do.	RotaryPistongflowmeter.
174940	19-10-1989	Do.	A direct trading portable atmospheric corrosion monitar.
175012	15-12-1988	Do.	A strain gauge stope indicator used to measure lateral displacement of hill sloper & other earth worker.
173141	18-1-1989	CTB, Inc. of State, Road, 15, Milford. Indiana, 40542., USA.	A feeder assembly for poultry and the like.
173686	1-2-1989	Do.	A feeder for poultry and other domestic birds and animals.
169695	30-84938	Danieli & C Officine Meccaniche, Spa. of Via, Nazionale-33042, Buttrio (UD), Italy.	Immersed teeming nozzle.
174464	18-11-1986	D Arya Paye, Jetty Co. Ltd., of Ellons, Cottage, Wolton, Farm, Bakesbourne, Canterbury,Kent. Great Britain.	Method of construction a rigid structure upon the bottom of a body of water
169583	22-9-1987	Deknaatel Technology, Corporation, of 235, East-42nd Street, New York, USA.	Apparatus for draining fluids.
174758	31-10-1991	Dell orto, S. p. A. of Via, S. Rocco, 5-20038, Serogno (Milano), Italy.	Thermostarter for carburetors of internal combustion engine.
170021	17-5-1988	Detia Freyberg GMBH, of 6949, Laudeubach, Bergstrasse, Federal Republic of Germany.	Applicator device for releasing at a controlled rate a gaseous pest control medium to an environment.
169340	9-1-1989	Dev. Dutt. Mohantu, of Jhanjiri, Maugla, P. O. Telonger Bazar-753009, Distt. Cuttack, Grissol.	Method for the production of chromium metal.
162307	14-11-1984	Didier-worke AG, of Lcssingstrass-16, 18, D-65189. Wiesbadon, Fod. Rep. of Germany.	Closing plates made of fire-resistant materiel for liner or rotarory slide-valve shutters
170672	28-6-1988	Digital Equipment corporation of Massachutt. USA, 111 Powdernil Rd. Maynard, Massacutte-01754, USA.	A data process or for processing programs & USA. for servicing interrupt requests.
171980	28-6-1988	Do.	Apparatus for responding to an interrupt condition via a control program in a data processing system.
172399	28-6-19851	Do.	A data processing system.
171989	17-11-1987	Dimension Technologies, Inc of 1238 Backs. Run, Webster, New-York.-14580, USA.	An autostereoscopic display unit.

160526	19-6-1984	Douglas cornclins Decay & Grace Allan Elizabeth, Deny, Russel Walter Deny & Winifred Mory Dany, of 2, Bell Meadow. Bury St. Edmunds Stafford England & 35 Horringer Road, Burry St. Edmunds, England.	Label.
166694	13-3-1986	Dr. C. Otto & Comp. GmbH. Christrasse. 9, 4630, Bochum, West Germany.	Method and plant for manufacturing fuel from thick tar separated from coke oven gas collected in thick tar separators during cooling of the said gas
174492	14-6-1989	Dr. Naisin Lee 2105, Louis, Rd., Palo Alto, California-94303, USA.	Apparatus and method of distilling water.
169622	27-5-1987	Dr. Rer. Nat Hans -Georg, Boehrn. of Kollergrunweg-13, 6242, Kronherg'Ts .West. Germany.	Steam Pressure cooking Pot.
160123	18-7-1984	Dr. Werner Freyberg, Chomischa Fabrik of Delite NACHF, 6941, Laudenbach, F. R. of Germany.	An applicator for use in Pest control
165595	18-7-1984	Do	A method of making an applicator in the form of a sachet suitable for containing gas evolving Pest control agent.
171 2	1-9-1988	Dynamic Air Inc., of 1125, Wolters Boulevard, St, paul Minnesota-55110, USA.	Butterfly valves.
163092	1-2-1984	Eirich Hubert. ET AL., of Sandwog-16, Hardhcim, F. R. of Germany.	Apparatus for treating material which are are capable of flow.
173783	6-10-1989	Emierson, Electric Co. A, Missouri Corporation, of 8000, West Florissant. Avenue, St. Louis, Missouri, 63136, USA.	Dynamoelectric machine for use with pump.
173784	6-10-1989	Do. ,	A dynamoelectric machine such as electric motors
173900	6-10-1989	Do.	A bearing retention a means, capable of being used in a dynamoelectric machine'
174142	6-10-1939	Do.	Dynamoelectric machine
173192	12-9-1989	Emitee AG, Gasellschaft, Fur Emissionstechnologis, MBH, of Hauptstrasse-150, D-5204, Lohmar 1, West Germany,	An assembled crankshaft and Procois for for Producing same.
173275	26-10-1989	Do.	A hollow composte mombor.
173414	20-7-1989	Do.	Process for Producing individual cams from cask materials
166238	20-11-1985	Festo KG. Ruiter Strasse 82, 7300, Essdingen, Federal Republic of Germany.	A fluid operated oscillating Piston motoi
172958	27-11-1989	Do.	A connection fitting for Pipe like components.
173768	25-5-1990	Fila Sport. SpA.of viale, Cesara, Battisti. 26,13051. Biella, (Vercelli) Italy	A sports shoes.

1	2	3	4
171723	13-9-1988	Fives-Cail, Babcock, of 38, Rue de la Republique, 93100, Montruel, France.	Apparatus for burning solid fuel.
171458	13-11-1989	Foseco International Ltd., of 285, Lons acre, Nechells, Birmingham-87,5JR, England.	Moulds for metal casting.
171115	15-4-1988	Freezone Pty. Ltd. of 15 Charles Street. South Perth, Western, Australia, 6151, Australia.	A Tyre bead breaker.
174685	10-5-1990	Freezone Schueider Gibornane Loegal, Patrick Loegel, of, 10, Rue Des, poiriers. F-67340, Ingwiller. France.	Method and apparatus for working to remove material.
165507	3-10-1985	Gallay. S.A. Of 165, rue dufaubourg, Saint, Honere, 75008, Paris France.	Method of producing a container.
172022	15-7-1987	Do.	Improved drum having reduced radial dimensions to provide more efficient spatial accommodation therefor and process for the manufacture thereof.
174838	3-8-1990	Garaold Tonsend of P.O. Box -232, Waterford, Ohio, 45786, USA.	A seal for a regenerative heater.
159143	19-1-1983	G.D. Societa, per Azioni, of Via, Pompunia, 10, 40100, Bologna, Italy.	A cutting device for continuous rod of cigarette.
159415	16-8-1983	Do.	Machine for the simultaneous manufacture of continuous cigarette Rods.
174946	6-3-1989	GEC. Avery Ltd. of Smethwick, Warley, West Midlands, B66-2LP, England.	Apparatus for weighing vehicler moving on a rail or raids.
171973	11-1-1989	G. Eirich, Machinen fabrik. of walldurner, Str. 50, 6969, Harheim, West Germany.	A method of drying wet material.
161623	3-11-1983	General Electric Company, of 1, River Rd, Schonectady, product, 5. New York. USA.	Continuous metal casting method apparatus.
170189	19-2-1986	General Motor Corpn, of 3044. West Grand Boulavard. Detroit, Michigan, 48202. USA.	A clutch containing a spline like connector.
174228	19-1-1989	General Tire, Inc, of one General Street, Akron, Ohio, 44329. USA.	Apparatus for removing selected portions of tire material from tire surface while rotating for fire uniformity.
164764	20-11-1985	Georg Fisher. Aktiongesellshaft. of CH-8201, Schaffhousens. Switzerland,	A method of producing refined metal from metal containing elemental impurities.
174746	15-1-1990	Georg, Osbakk, of P.O. Box, 42. 8250, Rognama, Norway.	Composite bottle.
163660	9-7-1986	Grabher Indose-Maschinenbay, AG. Industriestrasse. 24. CH-94. AV, Switzerland.	A can process for its production and apparatus for earring out the process.
156855	7-4-1982	Gwalior Smokeless Fuels Pvt. Ltd. of 709, Eros, Apartment. 56. Nehru Place. New Delhi.110 019. India	Continous carboniser for the production of domestic coke from coal.
161609	8-2-1985	Hasrode B.V. Zydelijiko, Havenweg 40. 7550-GD-Hengelo. The Netherlands.	Radar system.
168837	27-11-1987	Do.	A communication system.
174834	7-9-1989	Do.	Surveilliance sensor.

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174991	13-2-1990	Henri Elloit Rosn. of 229. Coolidge Avenue, Watertown Massachusetts. 02172. USA.	A shoe.
173242	16-8-1989	Do.	Shoes capable of accomodating and Titling different foot widths
174253	2-5-1990	Do.	A shoe with fitting System.
1732S1	2-12-1991	Hindustan Lever Ltd. of Hindustan Lever House. 165/166. Backbay Reclamation, Bombay-400020. Maharashtra. India.	Collating aparatus for generally flat articles.
175252	2-12-1991	Do.	In a process of making infusion pockets a method of producing a tag-thread assembly and an appratus therefor.
167170	13-5-1988	Hitachi, construction, Machinery, Co. Ltd. 6-2, othemachi-2, chome, chiyoda-ku, Tokyo, Japan.	Flow control valve apparatus,
171657	24-4-1989	Do.	Hydraulic driving apparatus for a hydraulic machine of.
172569	16-11-1989	Do.	Bent exirty variable displacement hydraulic machine.
174028	2-2-1990	Do.	Electric locomotive and method of constructing electriclocomotive.
160856	9-3-1934	Hoerbiger ventilwerke, Aktiengesellschaft, of 23, Braunhubergasse, Vienna-A-1110. Austria.	Improvement in a lifting of device for the valve plates of compressor Valves-
164599	17-11-1986	Do.	A nonreturn valve.
167375	14-4-1987	Do.	A compressor valve for varying operating conditions of the compressor.
168243	4-2-1988	Do.	Compressor unit comprising as crew compressor or the like.
169064	3-11-1988	Do.	Compressor plate valve.
170938	1-6-1989	Do.	ring valve.
170930	6-3-1989	Hoesch Maschinenfabril Deutsch Land, of Barsigstrass-22. 4600 Dertmund-l, West Germany.	Lathe for machining the brake discs of a wheel set removed from a track vehicle.
172357	4-7-1989	Do.	Under floor wheel-set turning machine for reprofiling the wheel tyre contours of Railway wheel sets.
166393	15-10-1994	Honda Giken Kogyo Kibushiki Kaisha, of-1-go-l-ban. Minaml, Aoyama, 2-choms, Mingto-ku, Tokyo. Japan.	Process and apparatus for manufacturing embossed articles of synthetic resin.
166394	15-10-1985	Do.	A vacuum mold for vacuum forming a heated plastic sheet with an imprinted grain pattern of the surface of the sheet.
166951	26-12-1985	Do.	A method of manufacturing an air permeable electro cast shell.

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160963	2-1-1984	H.P.W.Eiridi, 2. watter Ririch and 3. paul Eirich, of Sandweg-1, Hardheim, west Germany 2. of spessartweg, 18, Hardherm, West Germany, and of Bahnhof Str.11 Bardhein West Germany,	Apparatus for closing Continuously emptying container of treatment machine.
166623	3-2-1987	Do.	A method of an apparatus for producing treated power station residues in particular from bulk filter ash for conversion into to easily disposable form.
173385	28-11-1989	Idemitsu petrochemical, co, Ltd.of 1-1, Maruauchi, 3-chome, chiyoda, ku. Tokyo. Japan.	Fastener for a wrapping bag.
173977	28-11-1989	Do.	Wrapping leag with an improved fastener.
169872	10-8-1987	INCO Alloys, Internaional Izc. of Huntington. West Virginia. 25720. USA.	A process for producing a nickel-chromium alloy.
165955	10-2-1987	Indian Space Research Organisation, of-F Block. cavaery Bhavan, District office Road, Bangalore-560009, Karnataka. India.	Improvements in or relating to vacuum/electolytic coating of metals on metallic or dielectric substrates.
174632	24-2-1989	Interlego A.G. of Sihlbruggstrasse, 3. CH, 6340-Barr, Switzerland.	A toy building element.
168840	20-11-1987	International Control Automation Finance, S.A. a Luxembourg of ville de Luxembourg, 16. Rue-des Bains. Luxembourg,	A steam temperature controller.
171528	2-8-1989	J.N. Voith GmbH, D-7920, Heidenheim, Sankt poltener, Strasse. 48 Pf-1940, Fed. Rep of Germany,	Adjustment device for the ranner blades of kaplan turbines,
166749	19-14987	John. J. Vithayathil, of 3814 NE. 136th Place, Portland, oregon-97230. USA,	Apparatus for rapid adjustment of net-work impedance.
162588	19-10-1984	John K. Junkers, of 7, Arrowhead Lane, Saddle River Nj, 07458, USA.	Manual ratchet torque wrench with amplifier.
174800	1142-1990	Kabelmetal Electro GMGH, Mit, Beschränker, of Kabelmamp, 20, D-3000, Hannover, Republic of Germany.	Device for the drawing off and/ot guidance of elongate Products.
170990	21-3-1939	Kandaswamy Chettiar. Suryanarayanan., Suryanaravana, Sarojini, Kalyana Mandapam, North Gandhipuram, Kumarapalayam-638183, Salem, District Tamil Nadu	A device for oscilating ceiling fans.
173137	29-8-1989	Kawasaki jukogyo Mabushiki Kaisha of 1-1, Higashi, Kawasakicho-3-chome, Chno-ku. Kobe-chi, Hyogi, 650-91 Japan	Damping device for a tower like structure
174896	7-9-1989	Kanneth johnson-2502. Robertson R santa Clara, California-95151, USA.	Dispersion-compenseted fresnel lens.
172864	19-3-1991	Khloskar Penumatic Co. Ltd, of Hadapser industrial Estate Pune-411013, Maharashtra.	An improved oil Pump drive assembly for compressor of the expressar used in the diesel electric locomotive.
168550	30-3-1988	Kortec AG, of Baarerstrasse-21, 6300, Zug, Switzerland.	Carging material Preheater for Preheating charging material for ametallurgical smelting unit.
172864	27-7-1989	Koninklijke Emballage, Industrie Van Leer B.V. of Amsterdamsweg-206,1182 HL. Amstelveen Netherland,	Method for Producing a container having an improved closure and the container Produced in the method.

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17 717	6-10-1988	Kortec AG, of Baarerstrasse-21, 6300, Zu G, Switzerland.	A method of refining iron or steel by melting solid metal material such as scrap.
172795	3-10-1989	Do,	Charging arrangement for shaft, furnaces in Paniculate blast furnaces.
174023	5-V-1989	Krupp Industriateshnil. GmbH, of Franz-schubert. Stresse-l-D,--4100, Duisburg, 14. West Germany.	Vehicle for mounting and laying down a reperable bridge formed of bridge sections.
173433	29-9-1989	Lanxide Technology. Company, L.P. of Tralee, Industrial park, Newark, Dalware-19714-6077, USA.	Method of making metal matrix composites-
173434	29-9-1989	Do.	A method for making a metal matrix composite.
174365	6-7-1990	Do.	Method of producing ceramic composite bodies.
173858	1-12-1989	Do.	Method for producing self-supporting body.
174366	16-7-1990	Do.	A method of forming metal composite bodies having complex shapes by a self generated vacuum process.
174446	16-7-1990	Do.	A method forming macro-composite bodies by self-generated vacuum techniques
174541	9-9-1987	Do.	Method for producing a self-supporting ceramic body.
170967	30-6-1987	LA-Telemcanique, Electrique. of-33, bis, Avenue du-Marechal, Toffre-92000, Nanterre, France.	A device preferably for use in thermal tripping apparatus.
172629	21-6-1988	Do.	A device rendering contractors electrically & mechanically in-operative.
174249	14-7-1987	Lego, A/S. of Aastvej, 1, DK-7190, Billund Denmark.	A picture book in combination with toy elements to provide a three dimensional effect.
154071	22-12-1981	Lucas Industries public Ltd, Co. great, King Street, Birmingham, 19, England.	Friction pad assembly for use in a disc brake.
157190	16-5-1993	Do,	An automatic adjuster for a shoe drum brake.
166760	11-6-1986	Lucien Chastan Bagnis, of 21, Avenue, Isola. Bela-06400, Cannes, France & Alan Chasten, Bagnis, of 20, Avenue-De Vallauris-06400, Cannes. France.	Decontamination apparatus for cleaning bodies of water.
174545	23-5-1993	Luis Perz, Barrenacha, of Parqueentral Edit, Catuche. piso-9. Apto, M-caracas-1010, Venezuela.	Manufacturing concrete additives
172245	9-5-1989	Lunar, a Business Corporation of the State of Wisconsin. USA, of 313, West Belline-Highway, Madison. Sisconsin-53S13-USA.	An apparatus for measuring the physical properties and integrity of a member in vivo.
169879	14-8-1987	MAN GUTEHOFFNUNGSSIVETTE, Aktiengesellschaft, of 66, 4200-Oberhausen 11, Federal Republic of Germany.	A double lock-bell and hopper apparatus.
175520	11-5-1990	Do.	A caterpillar mounted self propelled continuously operating open-cast mining machine

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172153	29-6-1988	Mannesmann AG, of Marinesmanaufer, 2, D-4000, Dusseldorf, 1, F.R. of Germany.	A mold for continuous casting of thin slab in gots.
173065	16-5-1989	Do.	An improval method for contionous casting of metal produce.
173366	23-3-1989	Do.	A plant for the production of hot-rolled steel band.
174083	18-5-1989	Do.	A continuous process for the production of steel strips or sheet stool and an apparatus for the same,
170363	22-2-1988	MARC Edouard irrigovon, of 53, Course, De, 1, Intendance, 33000, Bordeaux, France, and pierre Michel, patick Bourrier, of France.	Support and attachment system for long-span laminated or composite materials beams.
168423	11-11-1986	Masataro Sato, of 191, Banchi, ooaza, Kenobe, Mikicho-Kita-gun, Kanagawa-ken,, Japan.	Brake system for bicycles.
17.1147	12-7-1990	Maschianfabrik Andrlta Aktiengesellschaft of, statteggerstrasse-18, A-8045, Graz, Austria.	Device for transport of material between chambers at different" pressures.
155855	2-9-1982	Maschinonfabrik Besta, GmbH, & Co, of Voiswag-1-5, D-4030, Rotinger, 1, West Germany.	Conveyor.
174293	30-11-1989	Missey-Ferguson, S.A. of Avenue, Blaise Pascal, Beauvais, Cadex, France.	B.P. 307, 60026, bearbox sellector mechanism.
174546	23-8-1990	Do.	Gear change mechanism.
174270	3-11-1988	Megapulse, Incororatei, at 8, preston, Cout, Bedford, Massachusatts, USA.	Apparatus for message communication on loran-C Navigational signal broad casts.
175048	15-3-1991	Memmingor-IRO, GmbH, Wittlensweller Str. 12D-7290 Frcudenstadt,	Lubricating devise for supplying several lubricating points in particular of a knitting machine with lubricant proelerably oil.
164115	1-8-1985	Messerschmitt, Bolkow-Blohn-Gesellschaft, Mit, Beschrantkor haftung, of-D-8000, Munich, 80, Federal Republic of -Germany.	A vibration isolator.
162929	22-7-1986	Metallurgical & Engineering Consultants, (India) Ltd, of Doranda, Ranchi-834002, Bihar, India.	Tuyore stock for blast furnace.
174527	9-8-1990	Do.	process for preparing N. type thermoelements for thermo-electric device from galena concentrate,,
174528	9-8-1990	Do.	process for preparing P-type thermoelements for thermoelectric device from galena aggregate.
174529	9-8-1990	Do.	process for preparing N-type thermoelements for thermoelectric device from galeno aggregate.
174161	22-12-1988	M. Gopi, of No. 4/216, A Theruveethiaman, Koll, street, peria-kulethuvancheri, Iyyappanthangal, Madras-602101, Tamil Nadu.	Wind boat.
171920	12-11-1990	Minato Co. Ltd, 1-5-10, Motoakasaka, Minato-ku, Tokyo, japan,	process for preparing germ free environment such as air or water.

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170025	3-6-1987	Minnesota Mining and Manufacturing Company, of 3M Center, Saint Paul, Minnesota, 55144-1000. USA.	A vacuum deposition apparatus for depositing a plurality of layers of varying composition into the surface of a machining substrate and a method of producing such substrate using said apparatus.
170859	8-3-1988	Do.	A method of preparing a grease compatible dielectric encapsulate capable of being used to encapsulate a splice of a signal conducting device.
171848	1-6-1989	Do.	A dispenser for sheets of not paper disposed in a stack.
171932	25-11-1988	Do.	A splice closure for providing environmental protection to a wire splice.
171994	7-11-1988	Do.	A contoured diaper and method of making the same
172227	28-11-1988	Do.	A disposable diaper with improved fastener attachment.
172557	23-11-1987	Do.	A non woven web and a method for producing the same.
173167	13-2-1987	Do.	A bone stapler adapted for use with generally U-shaped staples.
173231	6-1-1989	Do.	A unitary hook fastener portion of a resiliently flexible polymeric resin suitable for a disposable garment such as a diaper.
173232	6-1-1989	Do.	A disposable garment such as diapers with improved hook and loop fastener means.
173535	28-4-1989	Do.	A filter element for respirators or face masks
173801	17-3-1989	Do.	A cube corner retroreflective sheeting.
174892	16-8-1989	Do.	A device and a method for producing an elongate web with layers of material in spaced relationship transversely across at least one of the surfaces
174897	7-8-1989	Do.	A hearing & a method of making the same.
174120	8-2-89	Mitutoyo Corporation, of 31-19, Shiba-5-chome, Minato-ku, Tokyo-108, Japan.	Optical encoder.
169777	7-8-87	Mitutoyo Mfg. Co. Ltd. of 31-19, Shiba-5-chome Minato-ku, Tokyo-108, Japan.	Optical type displacement detecting device
169778	7-8-87	Do.	Optical type displacement detecting device.
169779	7-8-87	Da.	Optical type displacement detecting device.
173169	84-87	Do,	Capacitance type transducer for measuring positions.
173235	23-5-89	Do.	Capacitive type measuring apparatus,
174074	23-5-89	Do.	Capacitance type measuring apparatus

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166679	10-1-86	Monsnto Company, 800, North Lindbergh, Boulevard, St. Louis, Missouri-63166, U.S.A	A process for making an apparel yarn suitable for draw texturing and an apparel yarn thereof.
162954	28-9-84	Motan Swingtee GnbH, of Max-Eyth-weg-42, 7972, lany, Germany,	Apparatus for dispensing active liquid materials.
171906	19-7-88	Motor Industries Co. Ltd., of Hosur Road, Adagodi, Bangalore-560030, India.	An improved eleraeat plunger for fuel injection pumps used in diesel and multifuel engines, and an improved method of manufacturing the same.
170529	29-1-88	Motorola Inc., of 1333, East Algonquin Road, Schumburg, Illinois-60196, USA.	A tarnkel voicedata, communication system.
174220	1-12-88	Do	A sigma delta converter for bandpass signal.
174478	1-12-88	Do.	A codebook vester generating device for codebook vester for a vester for quantizer-
163370	23-3-85	M.V. Sreenivasa Raju, F-II & F-14, Manish Complex 10, Convent Road, Bangalore-25.	A device to guide and or channelise hot water on the surface of water reservoir in a predeterrminded route (s)/length(s) forcooling the same.
173892	6-2-90	Naika Baino, of Rm-204, 4-11-2, Kawaguchi, shi, Saitamaken, Japan.	Picking apparatus for a loom
171518	4-10-88	New-England Pharmaceuticals, Inc.,-of 28, Main Street, Bld. 1, North Easton, Massaehusets-02356, USA.	an inhalation device for use with an aerosol module,
161911	5-12-85	Neyripic & Elcurice De, France, Region d Equipment, Alpes Lyonn, servic de Cganbery-35, Rue Ronde-Fr,73010, Chambery, Cedex, France.	Butterfly valves.
165535	26-3-87	D,).	Buffer device for the spiral housings of water turbines and like machines.
165745	25-5-86	DO.	Channel for feeding water to a vertical axis kuplan water turbine.
174144	27-2-90	Nissei ASB, Mochine Co. Ltd., of 4586-3, Koo, Komoro-shi, Nagano-ken-384, Japan	Apparatus for converting thermoplastic blanks into shaped articles
173060	21-2-92	Nisain Shokuhin Kabushiki Kaisha, 1-1, Nishi-Nakajima, 4-chome, yodogawa-ku, Osaka-532, Japan.	Method and device for producing a brick of fried noodles.
173573	13-6-90	Nokia-Maillofer Holdings, S.A of Royte du Bois 1024, Ecublens, Switzerland	Carriage for the transportation of cylindrical object.
161266	17-8-84	Norsk Hydro, A.S. of Bygdoy, Alle, 2, 0257, Oslo-2-Norway	Flexible container for filling transport and storage of bulk materials.
161708	26-10-84	Do.	Method and device for the manufacture of flexible containers for the storage of bulk material and containers so manufactured.
172757	21-4-88	Do.	Flexible intermediate bulk container.
174347	5-10-88	Do.	pneumatic dosemeter for exact dosage of pulverulent materials.
175324	15-12-88	Do.	Apparatus for the automatic determination of the size distribution of particular and the deviation from desired shape and colour.

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169169	23-2-87	Northern Engineering Industries, Pic, of NEL, House, Resent Centre New-Castle Upon Tyne. NE-3, 3SB, England.	ARC interrupter.
173516	3-3-89	Do.	Improvements in burners.
170641	1-8-88	Norton Company, of-1, New-Bond Street Worcester, state of Masaachusetts-0166, USA.	Method of making macrocrystalline bochmite.
168282	31-8-88	Oclanorm, Vertriebs, GmbH, for Baumente-Raiffeisen-strasse-23, 7024, Filderstadt-4, Fed. Rep. of Germany,	Assembly kit for framework; structures
173608	22-1-90	OHNEG, TV-Products Inc, of one seagate Toledo-Ohio-43666, USA.	Apparatus for changibg a Plunger on a molten glass Press.
174071	16-3-89	Do.	A molten glass feedor bowl with a tube stirrer element.
162750	3-1-87	OIS optical Imaging systems Inc., of 1675 West A flat panel display. Maple Road, Troy, Michigan-48084, USA.	
174774	10-3-89	Orbital Sciences Corp., of 12503, Fair Lakes, circle, Fairfax, Virginia-22033, USA.	Rocket booster vehicle.
163705	14-8-86	Otto India Pvt. Ltd., F/16, Sector-2, Rouckela, 2, Orissa, India, Dr. C. Otto, & Comp., GmbH, of chistrasse-9, Postfach, 1849/1850,463, Boc-hum, West Germany.	Coke quenching car.
173928	31-10-89	Owens-Illnois closures. Inc., of one Sea Gate, Tolido, Ohio-43666, USA.	Tamper indicating package.
175168	22-12-89	Do.	A closure assembly and a method of lining the same.
164289	29-4-85	Owans-Illinois Glass Containers Inc.	Tamper indicating child resistant package.
166573	6-2-86	Do.	A screw cap for closing the open upper fini-sh of a container.
166891	5-11-85	Do.	A tamper resistant child resistant snap-op closure for use with a container.
167339	15-5-86	Do.	Closure ,with a snap type hinge cop
170159	5-11-85	Do.	A temper resistant child resistant package with a snap on closure.
170188	6-12-86	Do.	A screw cap for closing the open upper finish hot a container.
172703	2-4-87	Do.	An apparatus for reading a code on a milded container.
163391	5-3-85	Owens-Illinois plastic Products Inc., One Sea-Gate Toledo, Ohio-43666, USA.	Blow molding apparatus.
164236	3-10-85	Do.	Multilayer containers with improved stress crack properties.
165481	29-7-85	Do.	Multilayer plastic structure.
166337	28-11-85	Do.	A method of making a barrier plastic labelled hollow polyster or copolyster container and the container thereof.
166645	18-11-85	Da.	Coextruded multilayer sheet and touch sleeve lable made therefrom.

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166647	18-11-85	Owens Illinois Plastic Products Ind, One Seagate, Toledo, Ohio-4366, USA	Coextruded multilayer sheet adapted for use as a solvent seal sleeve lable on containers
166648	18-11-85	Do.	Coextruded multilayer sheet and sleeve lable for bottles.
167399	25-6-85	Do.	A container.
170988	28-4-88	Do.	A Plastic self draining container.
171163	28-4-88	Do.	A self draining container and a method and apparatus for manufactures the same.
171382	28-4-88	Do.	Self-draining container.
173773	5-10-89	Do.	An improved method and a apparatus for manufacturing a labelled article.
174883	3-1-90	Do.	A carder for container package.
163367	15-2-85	Palitex Project Company Gmb—H Weeserweg, 60, 4150, Krefeld 1, Federal Republic of Germany.	A yarn wetting device.
174178	21-8-88	Paul worth, S.A. of 32, rue d'Alsace, Luxembourg, Grand-Duchy of Luxemburg.	Blast pips holder for injecting Preheated air into a shaft furnace.
174214	21-9-88	Do.	Device for injecting preheated air into a shaft furnace.
174233	26-8-88	Do.	Automatic lance changeover device.
174473	23-9-88	Do.	Device for moynthing gripper for coupling a rod for piercing machine.
174727	27-3-89	Do.	Machine for opening the tapholes of a shaft furnace.
157816	4-8-82	Phillips patroleum Company, of Bartlesville, State of Okla Home, USA.	A process and apparatus to Produce carbon black.
163533	19-9-84	Do.	Process and reactor for producing carbon block from a carbon aceous feed stock.
172511	16-5-88	Prof. Dr. Ing. Robert Massen of Kampfenstrasse-39,-7760—Radolfzell, Fed. of Rep. of Germany.	A system for measuring and/or mouitoring Properties of yarns or ropes.
171659	17-5-89	RCA Corporation, (Licensing, of two-Independence way, Princeton, New Jersey, 08540, USA.	Improved method for the manufacture of cathode ray tubes.
174818	5-5 -89	R & C Products Pty. Ltd. of 845, Pacific Highway, Chatswood, New Weles, Australia,	A passive dispenser for use with a cistern for dosing a toilet bowl.
172814	21-12-88	Rioter Ingolstadt. Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, of Friderich Ebert, Strassc-84, D-8070, Engolstadt, Federal Republic of Germany.	A device for manufacturing a cross wound package of yarn and a method thereof-
170360	11-12-87	Robert Henry Abplanalp, of 10, Hewitt, Avenue, Bronxville, NY-10708. USA.	An aerosol valve unit.
172936	28-2-89	Do.	A tubular plastic container.
173367	17-4-89	Rotelec 8-A, of 40, Rue Jean jaures-93-176, Bagaolet, cedax, France,	A heat exchange device for protecting the polar of electro-magnetic inductor.
162118	30-4-85	Rudy Melvin Bowers, of 11383, Nayshon Court, Cypress california-90630, USA	Rod Coupling for oil well sucker rods and the like.

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164162	15-4-1985	Saint—Gobain Vitrage Les Miroir' 18 Avenue D' Alsace, 92400, Courbevoie, France.	A method and apparatus of making a transpirant article with high optical quality protective coating and the article thereof.
165266	12-7-1985	Do	method and device of making a glass ribbon in a float furnace.
165404	12-7-1985	Da.	A device for mounting on the outside of a float furnace for manufacture of a glass ribbon.
172354	17-4-1989	Samuel Willim Punch, 5727, Portal, Houston Texas-77096, USA.	Reteching and threading well connector
174176	19-9-1993	Sanford Redmond, Inc. of 780. East. 134, Street, Bronx, New York, 10454, USA.	Machine for automatically simultaneously Producing a predetermined number of filled and sealed finished Packages.
173293	25-10-1989	Samsung, Electron Device, Co. Ltd of 575, Shin-ri, Taeaeub, Hwaseong-gun, Kyuagglido, Korea.	Shadow mask frame or halation
173423	6-11-1989	Do.	Panel of metal backed color cathode ray tube and manufacturing method thereof.
173478	26-3-1990	Do.	Cathode assembly for cathode ray tube.
173584	15-11-1989	Do.	Device of measuring cathode-ray tube characteristics.
173712	15-1-1990	Do.	Current leakage inspecting device for cathode ray tube.
174148	27-12-1990	Do.	Clip for coupling inner with frame of cathode ray tube.
174299	1-4-1991	Do.	Shadow mask frame welding apparatus.
174390	24-10-1989	Do.	A device for sheading a layer of solution on a surface of the panel for color cathode ray tubes.
174595	3-9-1990	Do.	An assembling structure, for an inner magnetic shield and a shadow mask frame in a cathode ray tube.
174627	15-11-1989	Do.	A drying device for the inner graphite layer of a color Picture tube funnel.
174680	27-12-1990	Do.	Inner shield coupling clip for use in cathode ray tube.
174706	24-10-1989	Do.	Cleaning device for the sealing portion of the panel of a cathode ray color tube.
174707	24-10-1989	Do.	A panel for color cathode ray tube.
174708	7-11-1989	Do.	Wire break warning apparatus for a heating device of dust removing ultrasonic horn.
174709	7-11-1989	Do.	Granular material Packing apparatus.
174762	6-12-1989	Do.	Grapite suspension spreading device for use in formation of black matrices of color Picture tube.
174801	15-11-1989	Do.	A Protecting device for connecting Pins on electron gun of a cathode ray tube.

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174847	6-12-1989	Samsung, Electron, Devices Co. Ltd. of 575, Shin,ri, Taeaneub, Hwaseong-gun, Kyungido, Korea,	A steam Protecting bare for a stem of an elec- tion gun of a cathode ray tube.
174876	10-5-1990	Do.	A device for removing gas within the interior a cathode ray tube.
174955	27-5-1991	Do.	Electron gun scaled state inoperating appa- ratus.
•173107	10-104999	Do.	A color cathode ray tube having an improved shadow mask.
17503	29-54990	Do.	Dust cleaning apparatus for electron gun of cathode ray tube.
173293	4-10-1990	Do.	Improved tension band for cathode ray tube.
162988	22-11-1984	Sanden Corporation, 20 Katobuki-cho, Isesaki, shi, Gunna-kan, Japan.	Scroll type fluid displacement apparatus with improved drive shaft supporting mechanism
163342	14-11-1984	Do.	Scroll type fluid, displacemsnt apparatus in- cluding a Pair Iff scrolls.
164245	18-2-1985	Do	Wobble Plate type compressor with a capa- city adjusting rnachanism.
168354	21-10-1986	Sandvik. A.B. of S-811, -31, Sandviken, Sweden,	Pide joint.
171048	17-3-1988	Do..	Tool intended to be toratably maunted in catter.
172612	20-2-1989	Do.	An improved method of forming Pagtilles and apparatus therefore.
166203	22-7-1987	Santrade Ltd. of Atpanqual, 12, 6002, Luzern, Switzerland.	A granulating device with a perforated hollow cylinder.
174418	10-8-1992	Satake Coloration, at -72, rotokande, 4-chome, Chiyoda-ku, Tokyo-101, Japan.	Method of and system for flour milling
174999	20-9-1990	Do.	Induction motor.
175000	20-9-1990	Do.	Induction motor.
172094	31-10-1988	Schlumberger Ltd. of 277, Park Avenue, New York, New York, 10172, USA.	A logging apparatus for determining the resistivity, of earth formations, surrounding a borehole.
166927	1-4-1986	Schubert and Sulzer, Maschinen fabrik, Akti- engesellschaft, of Frerich-Ebert, Serasse-84, 8070; Ingolstalt, Germany.	A flat for carding machines.
167889	4-11-1986	Do.	An appratus for supplying conical Dobbins to the winding stations of a textile machine.
170049	4-10-1985	Do.	, A method of joining threads in an open end spinning apparatus.
174374	24-8-1989	Do.	An open and spinning apparatus
175073	6-11-1989	Do.	An apparatus and a Process for manufacturing spliced yarn.
165020	9-9-1985	Sereg, of 12, Place Des, Etas -Unis, 91120, Menrouge, France.	A globe valve having dismountable seat for rapid main tenance.

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167045	24-2-1986	Shell Internationale Research Maatschappij B.V. of carelvan Bylandlaan-33, 2596, HR, The Hague, The Netherlands.	An apparatus for eliminating the influence of drill string magnetization on an azimuth measurement in a borehole.
167389	26-6-1986	Do.	Apparatus suitable for solid-fluid separation.
167574	27-10-1986	Do.	Apparatus and process for solids-fluid separation.
168015	28-8-1986	Do.	An improved apparatus and process for producing synthesis gas by catalytic reforming of hydrocarbons with steam.
174729	4-4-1989	Do.	A process for the manufacture by flame spraying of a solid object coated with a polymeric material.
168971	26-8-1986	Siemens, AG, of wittelsbacher platz, 2, D-8000, Munchen 2, West Germany.	A data transmission system.
171093	28-10-1988	Do.	Distributor device for telecommunications system.
172166	7-6-1989	Do.	Multiple stage vacuum pump unit.
174116	27-3-1990	Do.	Safety valve having a safety function in a negative direction of action.
174146	7-6-1990	Do.	Supporting framework for a control cabinet comprised of several angular profile elements having a hollow section open to one side.
174295	27-3-1990	Do.	Sorvo drive system for safety and regulating valves.
174960	18-9-1990	Dp.	A backlash freemulti-pimm drive system
174066	11-7-1989	Siquid, of Bolteveien, 25. N-1500 MOSS, Norway.	Process and apparatus for the manufacture of pulp suitable for using as raw material for the production of paper board, fibreboard and other products.
168316	6-2-1987	SKE France S.A. of-16, Avenue de la Grande Armee, 75017, Paris, France.	Composite article having a tubular sheath containing a compacted material for the treatment of liquid metall, and process for the production of said article.
167106	17-8-1987	Societe Anonyme Ditekipl, of kiplivit 96, Bis, Rue De, Paris-59200, Touncoing, France.	Folding packaging case.
157868	12-4-1982	Societe D' Etudes Machines, Thermioques, S.E.M.T.	A fuel injection pump for an internal combustion engine.
173482	11-3-1987	Societe Generale pour les Techniques, Novelles, S G.N. of 1, rues Herons, Mouatigny-le, Bretonneux, 78184, Saint-Quentin-en Yvelines, cedex, France.	Process and devices for the purification of industrial effluents to provide a purified liqued of use as a fertiliser.
163181	13-2-1985	Societe Nationale Elf, Aquitaine, of Tour, Aquitaine, 92080, Paris, France.	A process and an installation for the distillation of petroleum of fissi or synthetic origin.
163642	12-3-1984	Societe Nationale, Industrielle, Aerospatial, of 37- Boulevard de, Montmorency-Paris, France.	Variable pitch multiblade propeller intended in particular to be used tail rotor of a rotor craft.

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170169	16-7-1986	Aerospatiale Societe Nationale, Industrielle, Aerospatiale, of 37-Boulevard de, Montmorency, Paris, 75016, France,	A rotor hood for a gyroplane rotor,
167436	20-5-1986	Sony corporation 7-35, Kitashinagauia, 6-chome Shinagawa-ku, Tokyo, Japan.	A tape loading device for a cassette type, tape recording and/or reproducing apparatus
167631	26-5-1986	Sony Corporation of -7-25, Kitashinagawa, 6-chome, Shinagawa-ku, Tokyo-141, Japan.	An apparatus recording and for producing a signal on a magnetic cassette tape.
174003	4-5-1988	SpS Technologies, Inc. Newtown, Pennsylvania 18940, USA.	Self locking fasteners.
171611	11-1-1989	SpX Corporation, 700 Terraco, point drive, Muskegon, Michigan-49443, USA.	Refrigerant recovery purification and recharging system
173218	20-12-1989	Steedtler & Uhl. of Nordliche, Ringstrasse,-12, D-8540, Schwabach, Federal Republic of Germany.	Fittings for combing rollers in particular for wool and cotton combing machines.
173802	28-3-1989	Stemicarbon.B. V. of P O. Box, 10,6160, MC, Geleen, 21, The Netherlands,	Process for the Preparation of a cyclohexene containing feed stream.
174870	21-4-1989	Stein Industries, of 19-21, avenue, Morane Saulnier, 78140, Vélizy, Villacoublay, France.	A machine for remotely lining the inside of a heat exchange tube ends with a sleeve.
173854	18-9-1989	Stockham valve, Australia, Pty. Ltd., of 322, settlement Rd Thomastown Victoria 3074, Australia.	Check valve and valve plate therefor.
175290	18-9-1989	Do.	A check valve and a method of making it.
174831	12-6-1990	Stopino AG, of Zugerstr, 76a, CH-634, Baar Switzerland.	Refractory stator/rotor unit for a valve in the outlet of a vessel containing a metal melt.
157028	3-4-1983	Stork Brabant, BV, of 43 a wim de korveretreat, 5831, Boxmeer, The Netherlands.	An apparatus for every filling an elongate collecting space with a viscous substance.
161196	9-8-1984	Do.	Foam generator.
171956	14-6-1989	Sturm, Ruger and Company, Inc. of Lacey place. South Port, CT-06490, USA.	An improved automatic Pistol
173766	16-11-1989	Sumitomo metal Industries, Ltd., of 5-33, Kitchama, 4-chome, Chue, Ku, Osaka-Osaka, Japan.	Method for manufacturing molten pig Iron.
171225	7-9-1987	Svensks Rotor Maskiner AB, of P. O. Box-15085, S-104-65-Stockhom, Sweden.	Rotary heat exchanger of the regenerative type.
172594	22-2-1988	Do.	Lack of heat transfer plates for use in heat exchangers.
17359J	8-1-1992	Taito Co. Ltd. of 443-5 Ninonbashi Oden-macho-chuo-ku, Tokyo, Japan.	A method for preparing a pallet like feed for enhancing host defence activities in crustaceans.
170521	10-11-1987	Techip Geoproduction of four Technic, 170. place, Henri Regnault, 92000, Paris-La-De-France.	Suspension device for the support legs of a Jack up oil platform,
171929	18-10-1988	Tecumsh products Company, of 100 pattarn. Street, tedumesh, michigan, 49286, USA	A Compressor assembly,
17-2092	17-10-1988	Do.	A compressor assembly.
172772	18-10-1988	Do.	A Compressor assembly.

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174714	25-6-1990	Temperature Ltd. of Dewar Close, Sexoensworth West. F.R./U.K.	A system for controlling the temperature of the interior of a vehicle.
172526	30-5-1989	Fexaco. Development Corporation, of 2000, Westchester Avenue, White, plains. New-York-10650, USA.	Lube oil solvent dowaxing control system
171854	11-12-1987	The Gillete Company of prudential Tower, Building, Boston, State, of Massachusetts, U.S.A.	Razor handle assembly.
172880	28-5-1990	The Green Cros Corp. of 3—3, Imabashi, 1-chome, Chuo-Ku, Osaka, Japan,	Apparatus for the treatment of articles for destroying of perms.
174094	19-3-1990	Theo schoders of Trieras Strasse. 1, D-6600 Slarhricken, West Germany.	Fire Proof door.
174027	22-1-1990	The University of Milloorne of, Grattan. Street, Parkville, Vicktoria, 3052. Aurtherlia.	Exenmeter for measuring dimensional change and method of making same.
174113	22-12-1989	Inc University of Western, Australia, of Nedlands, Western Austria, 6009. Australia.	Process for the production of metals alloy-and composition of matter comprising two or more metals.
159322	13-6-1983	The western States Machine Company, 1798-Fairgrove, Avenue, Hamilton, Ohio-45012, USA.	Mechanism for latching an axially displaceable rotory part to a concentric rotory part.
172872	13-7-1989	Thomson, Consumer Electronics Inc. of 600, North Sherman Drive, Indian Polis, Indiana-46201 USA,	Electron gum assemby having a reinforced heater lab with locating means.
173637	1-1-90	Do	
174959	304-199)	Do	Method of electrophotographically facturing a luminoescentsc screen assembly Method of manufacturing a luminescent screen assembly,
175175	3-5-1989	Toyo Engineering Corp. of 2—5, Kasumi-gasaki-3-chomo, chiyodaku-Tokyo, Japan.	A Process for manufacturing of a catalyst for use in steam reforming reaction.
174499	12-6-1990	Uddeholm Licensing Aktiobolog. of UVavagen-2, S-683, 02, Hagfors, Sweden.	Method apparatus for the production or metal grenular from molten metal.
172388.	19-12-1989	United Technologies, Corporation, of Hartford, Connecticut-06101, USA.	Method of inertia welding of hollow high strenth superalloy article.
172856	1-1-90	Do.	Gas turbine Jet engine.
173244	18-8-1989	Do.	Axial compressor blade assembly
173421	20-9-1989	Do.	Control system for gas turbine engine for Powering aircraft..
173427	11-1-1990	DO.	An annular comisustion for a gas turbine engine.
173439	15-12-1989	Do.	Mehthod for joining metal articles by inertia friction welding.
164807	28-8-1985	Vacuum Interrupters Ltd., of 68-Ballards Lane, Finchlen, London N3-2BU, England.	A method of manufacturing vacuum inter- opter contacts.
174193	21-12-1989	Valinox of 130, Rue De, Silly. 92100, Boulone-Bi-llancourt, France.	Method and device for prodcing a bietalic tube thereby Produced.
174445	17-5-1990	Voest Alpine Bisenbahns systems. Gesellchaft, m b. H. of A-1040, Vienna-Floragsse. 7 Austra.	Railway switches or railway crossing having sliding chair sliding plate and ribeed plate.

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173634	23-10-1989	Walter Erich & spessartweg-18, D-6969, Hardheim, 2, Erich Bahnhofstrasse 11, D-6969, Hardheim, 3, Hubert. Erich, Erate Sandureg-16, D-6969, Hardhei, F. R. of Germany.	Paul Agitator ball mill.
174320	104-1989	Whirlpool, Corpo. at 2000 M-63-Benton, Harbor, Michigan-49022,USA.	Variable speed control circuit for an automatic washer.
171691	21-4-1988	White Consolidated Industries, Inc. 11770, Berea Rd. Cleveland, Ohio-44111, USA.	A hormetic refrigeration compressor.
173137	28-8-1988	Wilkinson Sword, Gesellschaft, Mit, Beschränkter, Haftung, of 5650, Solingen, 1, Schutzens-trasse, 110, West Germany.	Razor blade unit.
175214	9-8-1990	W L. Systems, Inc., of P. O. Box-23120, San Antonio, Texas-78223, USA.	An apparatus for producing a CT scan
173355	27-4-1989	Weh Erwin & Weh, Wolfgang, of Sietnansstrasse-5, D-7918, Illertissen, F.R. of Germany.	A coupling for fluid lines.
168619	14-5-1987	W&T Avery Ltd., of smethwick, warley. West Midlands, B-66,2LP, England.	A weighing system.
171455	30-6-1988	Yalata pty Ltd. C/o collins, young & Co, pty. of 87, Colin Street, West perth. Western, Australia, Australia-6005.	A crushing apparatus.
169500	25-4-1988	Yuan-Ho, LEE, of NO. 851, Chung-san RO., Nan-Pao, Tsun, kuei Jen-Ustan, Taiwan, Hsieng, Taiwan, Rep. of Chine.	Modlding device with hand operable mold releasing rnachanism.
174119	19-6-1990	Yuan-Ho Lece,	A fastening device to fasten panel facings,
174656	19-6-1990	Do	Apparatus for positioning and supporting an innermold panel.
166742	20-8-1986	Yun-Tung Hsu, of No. 9, fr.-2 Alley-2, Lane, 437, Nei-Hu Rd., Sec. 1, Nei-Hu-Dist. Taipei, Taiwan, R. of China.	Molding device for modular concrete unit.
174523	5-7-1990	Do.	An improved Jock assembly.
174759	12-9-1990	Zeuna-Starker GmbH, Co: KG of Aussere-Uferstr,-61,69/73, Psotfach-132669, D-8900. Augsburg, Germany.	A method for the cleaning of a soat filter in the exhaust pipe of a diesel motor under load and system for , performing the same.
174098	1-1-1991	Zimoro passavant, Environm, of 301, West. Military Rd. Rothsechild Wisconsin-54474, U.S.A.	Control valve with displacement compensating seal.
174200	13-11-1990	ZIp-Heaters (Australia), p-of 67, Allingham, Stretet. Condell, park, N S W, 2200, Australia.	An impoved connecting joint fos use in a boiling a water unit and a' boiling water unit having the same.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown to the each entries is the date of the registration included in the entries.

Class 1. Nos. 172405 to 172419, Ajanta Watch Ltd., a company existing under the Comp. Act. 1956, of Orpat Industrial Estate, Rajkot Highway, Morbi 363641, State of Gujarat, India, "WRIST WATCH", 16th October 1996,

Class 1. No. 172486, Velmor Home Decor Pvt. Ltd. of Dayanagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian Company, "OVERHEAD SHOWER", 30th October 1996.

Class 1 No. 172488, Velmore Home Decor Pvt. Ltd., of Dayanagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian Company, "SINGLE LEVER BASIN MIXER", 30th October 1996.

Class 1. No. 172489, Velmore Home Decor Pvt. of Dayanagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian Company, "SINGLE LEVER DIVERTER", 30th October 1996.

Class 1. No. 172490, Velmore Home Decor Pvt. Ltd., of Dayanagar Industrial Estate, Godder Road, Bhayander 401105, Maharashtra, India, Indian Company, "2 WAY DIVERTER WATER SPOUT", 30th October 1996.

Class 1. No. 172491, Mahi Pal Gupta, Autopal Ind. Ltd., E 195 (A) RIICO Ind. Area, Sanganer, Jaipur, Rajasthan, India, Indian, "LIGHT FIXTURE", 30th October 1996.

Class 3. No. 172492, Mahi Pal Gupta, Autopal Ind. Ltd., E 195 (A) RIICO Ind. Area, Sanganer, Jaipur, Rajasthan, India, Indian, "INTEGRATED COMPACT FLUORESCENT LAMP". 30th October 1996.

Class 3. No. 172420, Allied Instruments Pvt. Ltd., an Indian comp incorporated under the Comp. Act, 1956, 30-CD Govt. Industrial Estate, Kandivli, Mumbai 400067, Maharashtra, India, "TRAY", 17th October 1996.

Class 3. No. 172782, MRF Limited, 124, Greems Road, Chennai 600006, Tamil Nadu, India, "TYRE", 9th December 1996.

Class 8. No. 172493, Cosmique Ltd., an Indian Company, A 17, Naraina, Phase II, New Delhi 110028, India, "CARPET", 30th October 1996.

Class 10. Nos. 172426 & 172427, Jay Jagdamba Plastic & Gen. Ind., of 40 Nehru Nagar, Agra, U.P., India, an Indian partnership firm, "SOLE FOR FOOTWEAR", 18th October 1996.

Class 14. Nos. 172455 & 172459, Parry Murray & Co. Ltd., a British company of Centerbury House, 7th floor, Sydenham Road, Croydon CR0 9KE, U.K., "A FABRIC", 25th October 1996.

T. R. SUBRAMANIAN

Cont. Genl. of Patents Designs & Trade Marks

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